STR-D365

SERVICE MANUAL

AEP Model
UK Model
E Model
Australian Model

Photo : E model

SPECIFICATIONS

Amplifier section

Power Output (DIN at 1 kHz)
90 + 90 W/4 ohms
(AEP, UK, E model)
80 + 80 W/8 ohms
(Australian model)

Frequency response PHONO: RIAA equalization curve ±0.5 dB
CD, TAPE/MD, VIDEO: 10 Hz - 50 kHz ±1 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO (MM)	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD	300 mV	50 kilohms	82 dB 82 dB* (A, 250 mV)
TAPE/ MD, TV/ LD, VIDEO	200 mV		

* '78 IHF

Outputs REC OUT VIDEO (AUDIO) OUT: Voltage 250 mV, Impedance 10 kilohms
PHONES: Accepts low and high impedance headphones

Muting – 20 dB

BASS BOOST +10 dB at 70 Hz

TONE ±8 dB at 100 Hz and 10 kHz

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals Except E models :
75 ohms, unbalanced
E model :
300 ohms, balanced
75 ohms, unbalanced

Sensitivity Mono: 18.3 dBf, 2.2 µV/ 75 ohms
Stereo: 38.3 dBf, 22.5 µV/ 75 ohms

Usable sensitivity 11.2 dBf, 1 µV/ 75 ohms (IHF)

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz Mono: 0.3 %
Stereo: 0.5 %

Separation 45 dB at 1 kHz

Frequency response 30 Hz - 15 kHz $^{+0.5}_{-2}$ dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range Except E models :
531 - 1602 kHz
E model :
530 - 1610 kHz (10 kHz STEP)
531 - 1602 kHz (9 kHz STEP)

Antenna Loop antenna

Usable sensitivity 50 dB/m (at 999 kHz)

S/N 54 dB (at 50 mV/ m)

Harmonic distortion 0.5 % (50 mV/m, 400 kHz)

Selectivity Except E models :
35dB
E model :
At 9 kHz: 35 dB
At 10 kHz: 40 dB

— Continued on next page —

MICROFILM

FM STEREO FM-AM RECEIVER

SONY®

(E model ONLY)

You can change the AM tuning interval to 9 kHz or 10 kHz .
After tuning in any AM station, turn off the receiver. Hold down the PRESET TUNING + button and press the POWER button. All preset stations will be erased when you change the interval. To reset the interval to 10 kHz or 9 kHz, repeat the procedure.

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP
Power requirements	Except E models : 220 - 230 V AC, 50/60 Hz E model : 120/220/240 V AC, 50/60 Hz
Power consumption	E, Singapore, Malaysia, HongKong model : 200 W AEP, UK, German, East European, Australian : 180W
Dimensions	Except E models : 430 x 135 x 300 mm E model : 430 x 135 x 295 mm
Mass (Approx.)	Except UK models : 6.8 kg UK model : 7.0kg
Supplied accessories	FM wire antenna (1) AM loop antenna (1) Remote commander (remote) (1) Size AA (R6) batteries (2)

Design and specifications are subject to change without notice.

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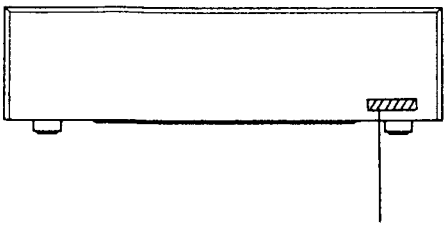
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SERVICE NOTE

MODEL IDENTIFICATION
— BACK PANEL —



4-972-661-2□ : AEP, G Model
4-972-661-3□ : SP Model
4-972-661-4□ : UK Model
4-972-661-5□ : AUS Model
4-972-661-6□ : E Model
4-972-661-7□ : EE Model

- For detailed Hong Kong, Malaysia model, refer to SP model.

- Abbreviation
  G : German model.
  EE : East European model.
  SP : Singapore model.
  AUS : Australian model.

PROTECT MODE

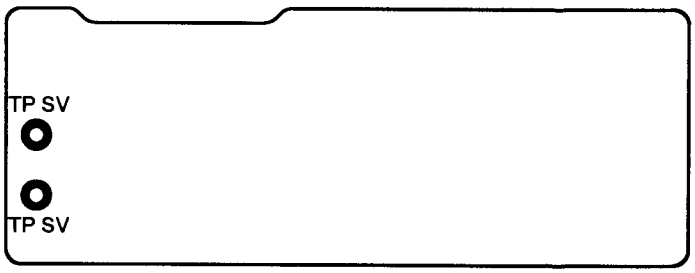
"PROTECT" will be displayed on the FL display when the amplifier is faulty or when the connectors between boards have disconnected, etc.
In the case of faulty connection, connect all the connectors of the unit again, and turn on the power. The protection will be canceled.

- **How to avoid the "PROTECT" mode disconnecting VOL BOARD**

Short-circuit between two of TP SV on the VOL-M CONNECT BOARD, and turn on the power.
In this case, the circuit of the MAIN BOARD does not operate, but that of the DISPLAY BOARD operates.
Disconnect the connected read line afterwards.

TEST POINT LOCATION :

[VOL-MAIN BOARD]
— CONDUCTOR SIDE —



TEST MODE

FL CHECK MODE

1. Turn off the power supply.
2. While pressing preset buttons [6], [7] and [8], turn on the power.
3. All the FL displays light up (Fig. 1.), after one second some light up several times, and "END" will be displayed.
4. Turn off the power.

NOTE : The preset memory will be erased if the FL CHECK MODE is performed. Therefore, note down the memory contents beforehand and set the preset memory again as before after completely this mode.

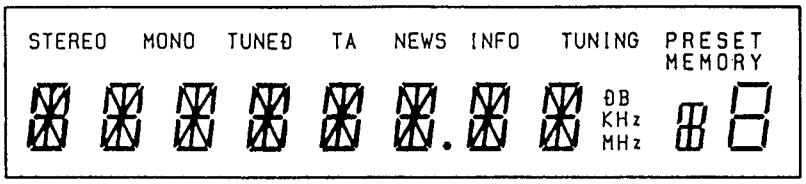
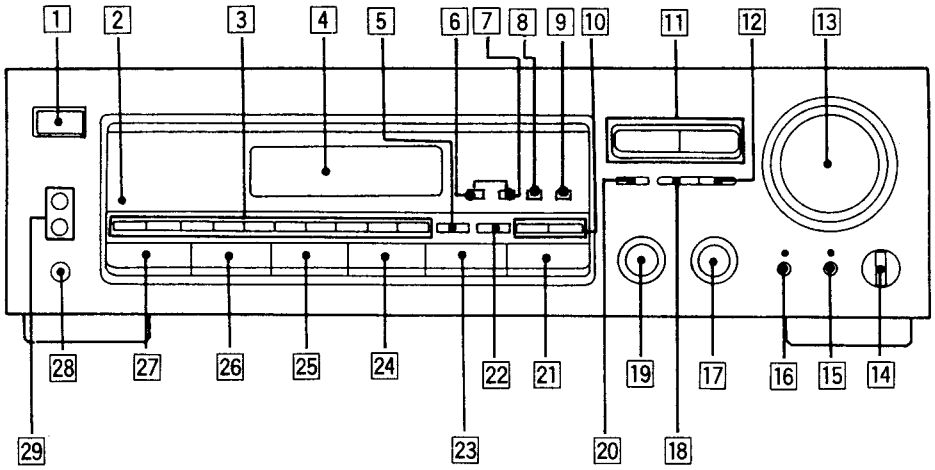


Fig. 1. When All FL Displays are Lit

SECTION 1
GENERAL

This section is extracted from instruction manual.

Front Panel



1 POWER switch
(for AEP, UK, G, EE model)
POWER button
(for E, SP, AUS model)
2 Remote sensor
3 Numeric buttons
4 Display window
5 DIRECT button
6 PTY (RDS) button
(for AEP, UK, G, EE model)
7 EON (RDS) button
(for AEP, UK, G, EE model)
8 DISPLAY button
(for AEP, UK, G, EE model)
9 CHARACTER button
(for AEP, UK, G, EE model)
10 PRESET TUNING +/– button
11 TUNING +/– button
12 FM MODE button
13 VOLUME control
14 BALANS control
15 BASS BOOST button
16 MUTING –20dB button
(for AEP, UK, G, EE model)
17 TREBLE control
(for AEP, UK, G, EE model)
18 BAND button
19 BASS control
20 MEMORY button
21 PHONO button
22 SHIFT button
23 TUNER button
24 CD button
25 TAPE/MD button
26 TV/LD button
27 VIDEO button
28 PHONES jack
29 SPEAKERS A/B button

- Abbreviation
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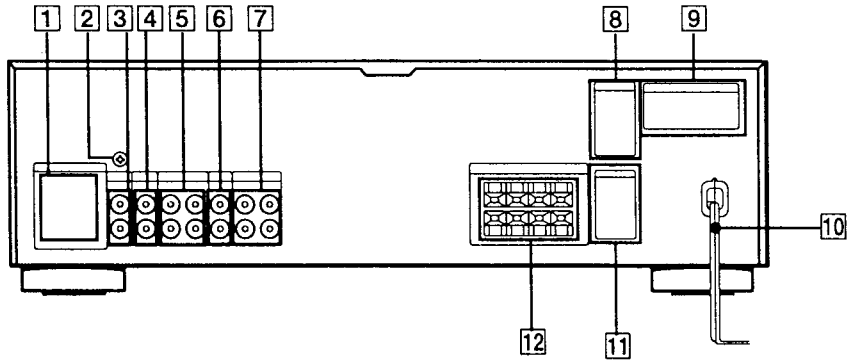
- For detailed Hong Kong, Malaysia model, refer to SP model.

Rear Panel
ILLUSTRATION : E model

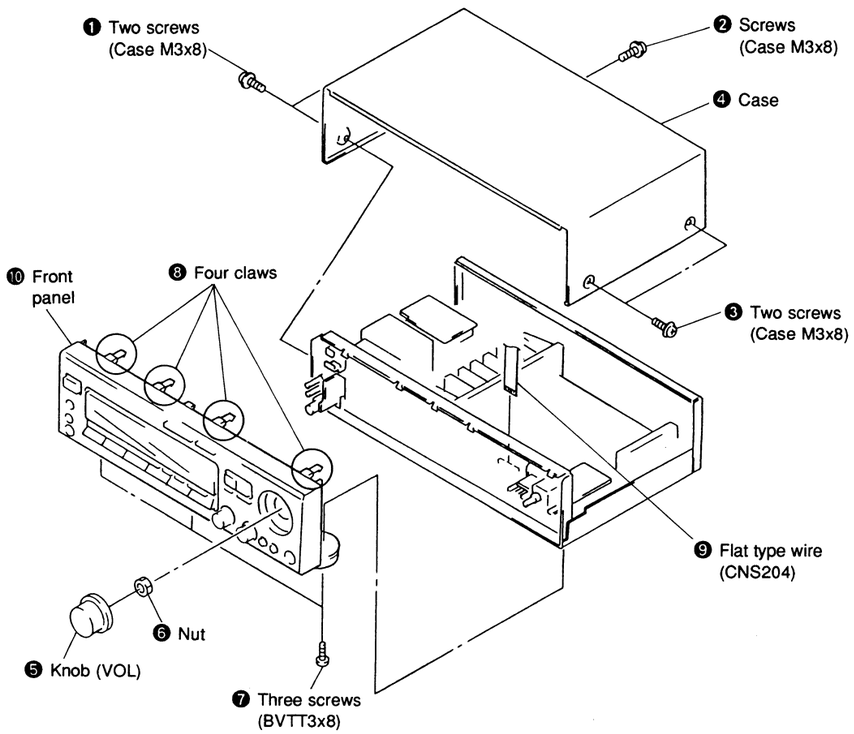


1 ANTENNA (AM/FM)
2 ⏚ ground terminal
3 PHONO
4 CD
5 TAPE/MD
6 TV/LD
7 VIDEO
8 SWITCHED AC OUTLET
(except for UK model)
9 VOLTAGE SELECTOR
(for E model)
10 AC power cord
11 SWITCHED AC OUTLET
(for E model)
12 SPEAKERS (A/B)

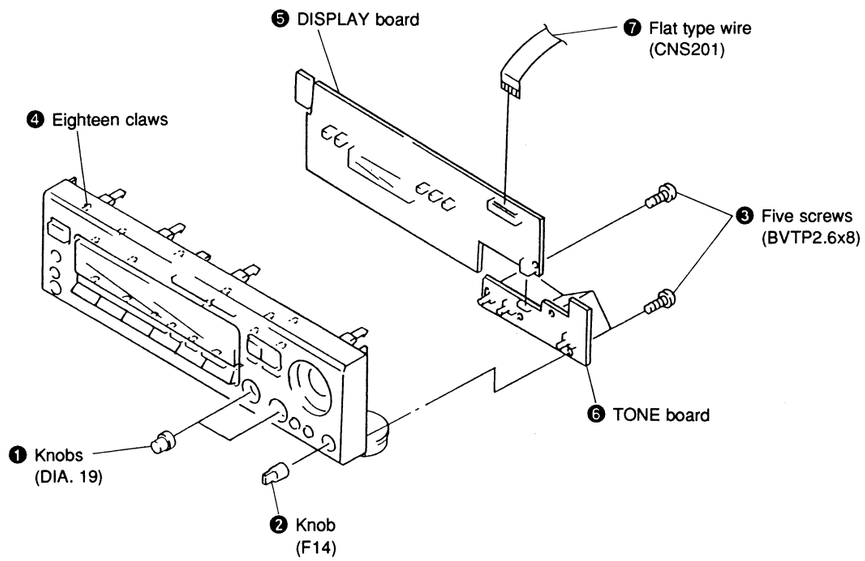
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

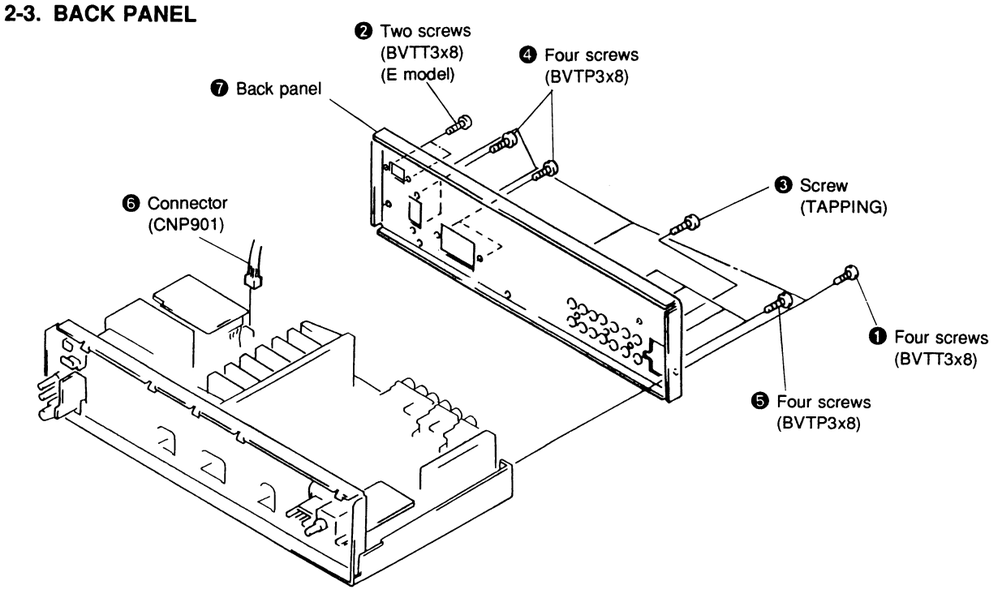
2-1. CASE AND FRONT PANEL



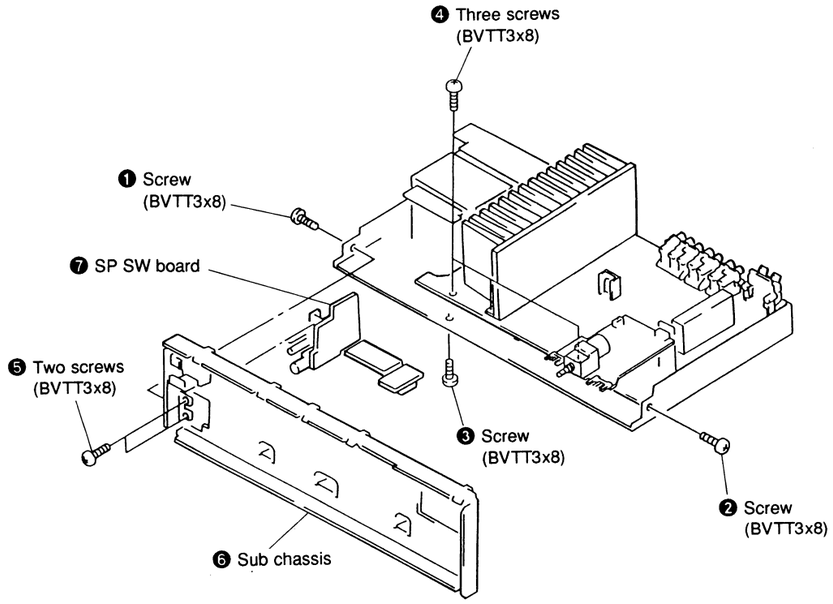
2-2. DISPLAY AND TONE BOARD



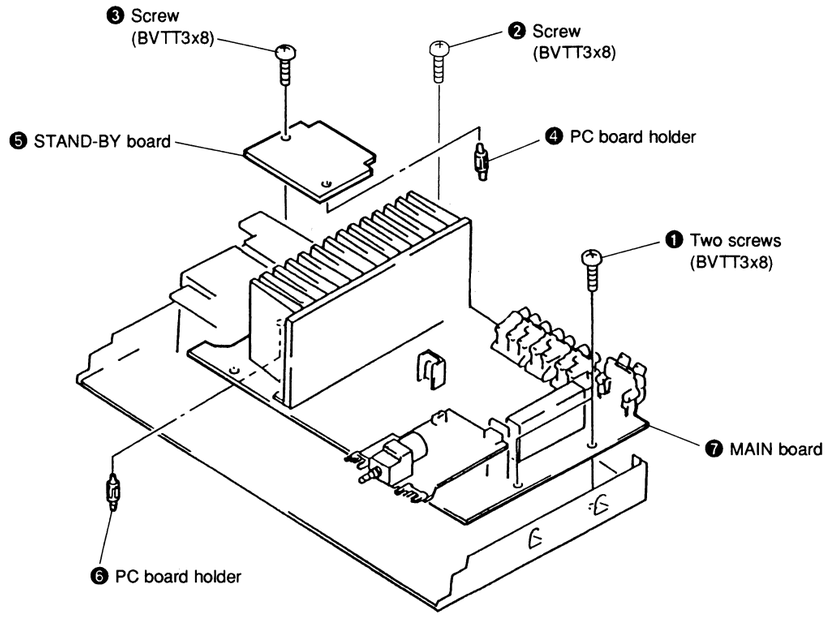
2-3. BACK PANEL



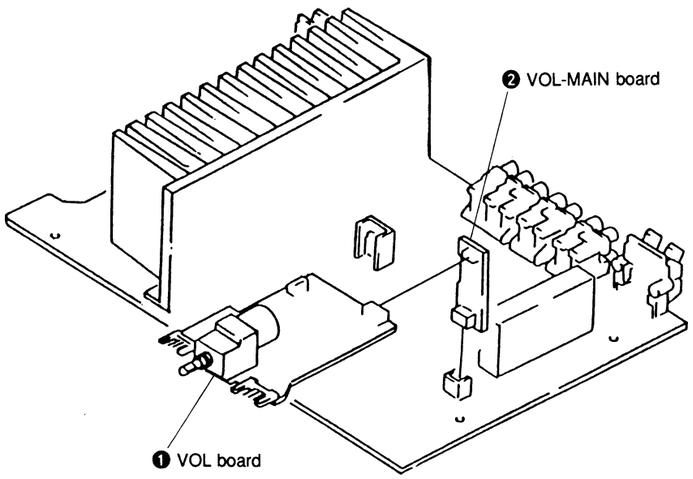
2-4. SP SW BOARD



2-5. MAIN BOARD

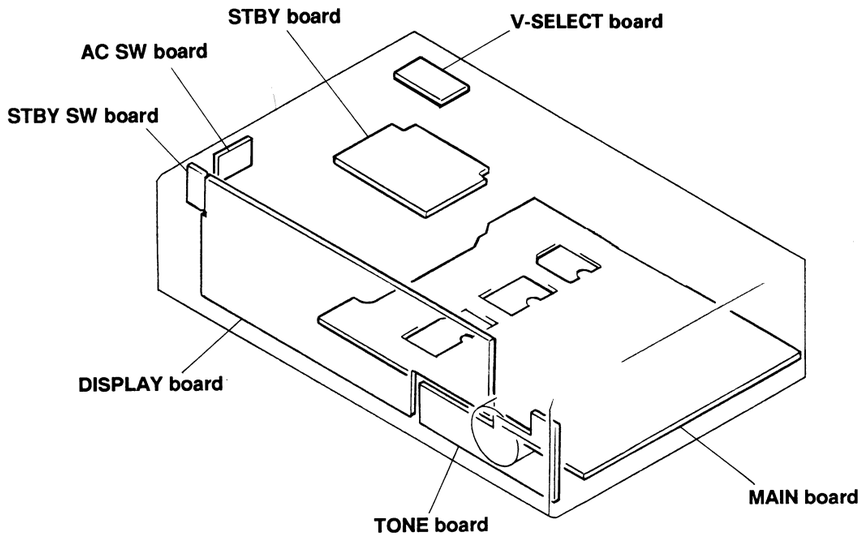


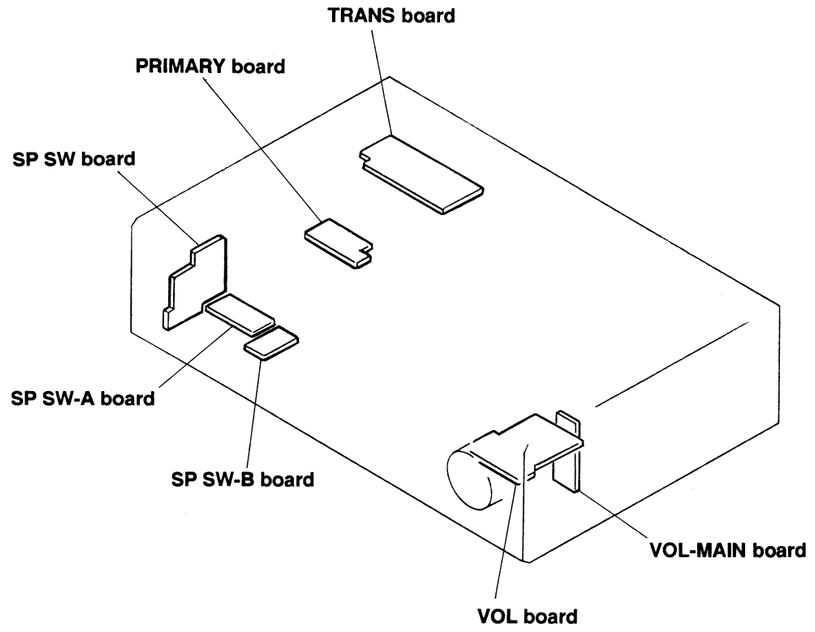
2-6. VOL AND VOL-MAIN CONNECT BOARD



SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION





3-2. PRINTED WIRING BOARD — MAIN SECTION —

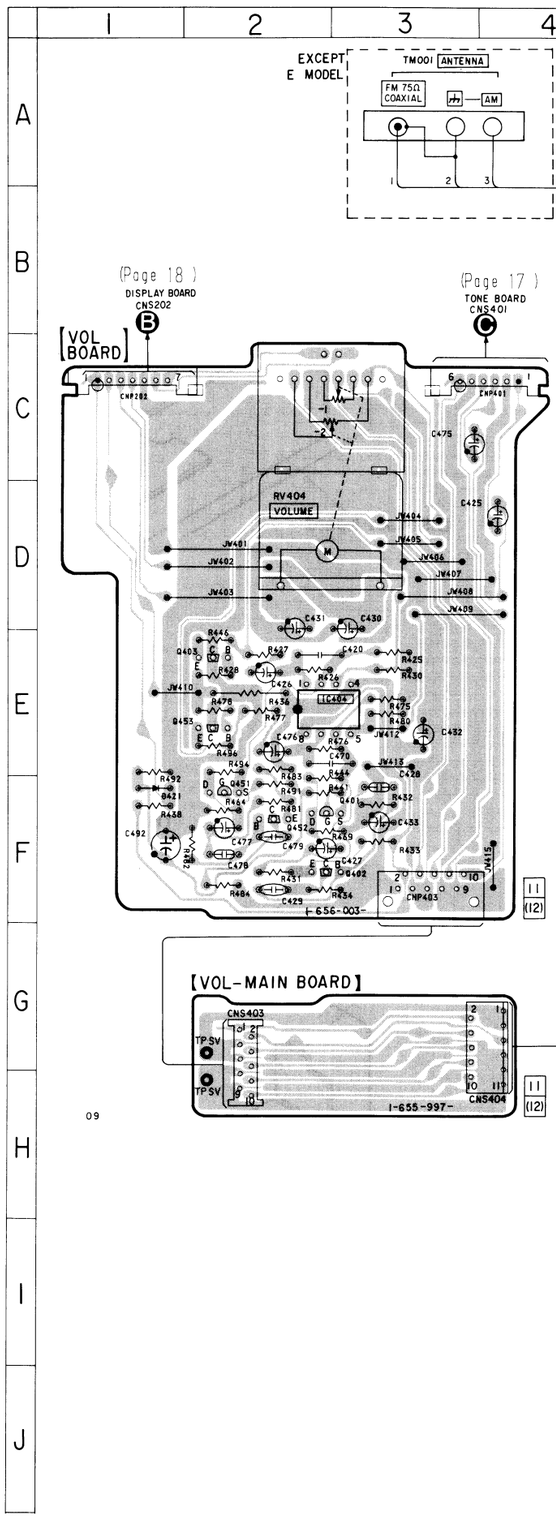
• See page 8 for Circuit Boards Location.

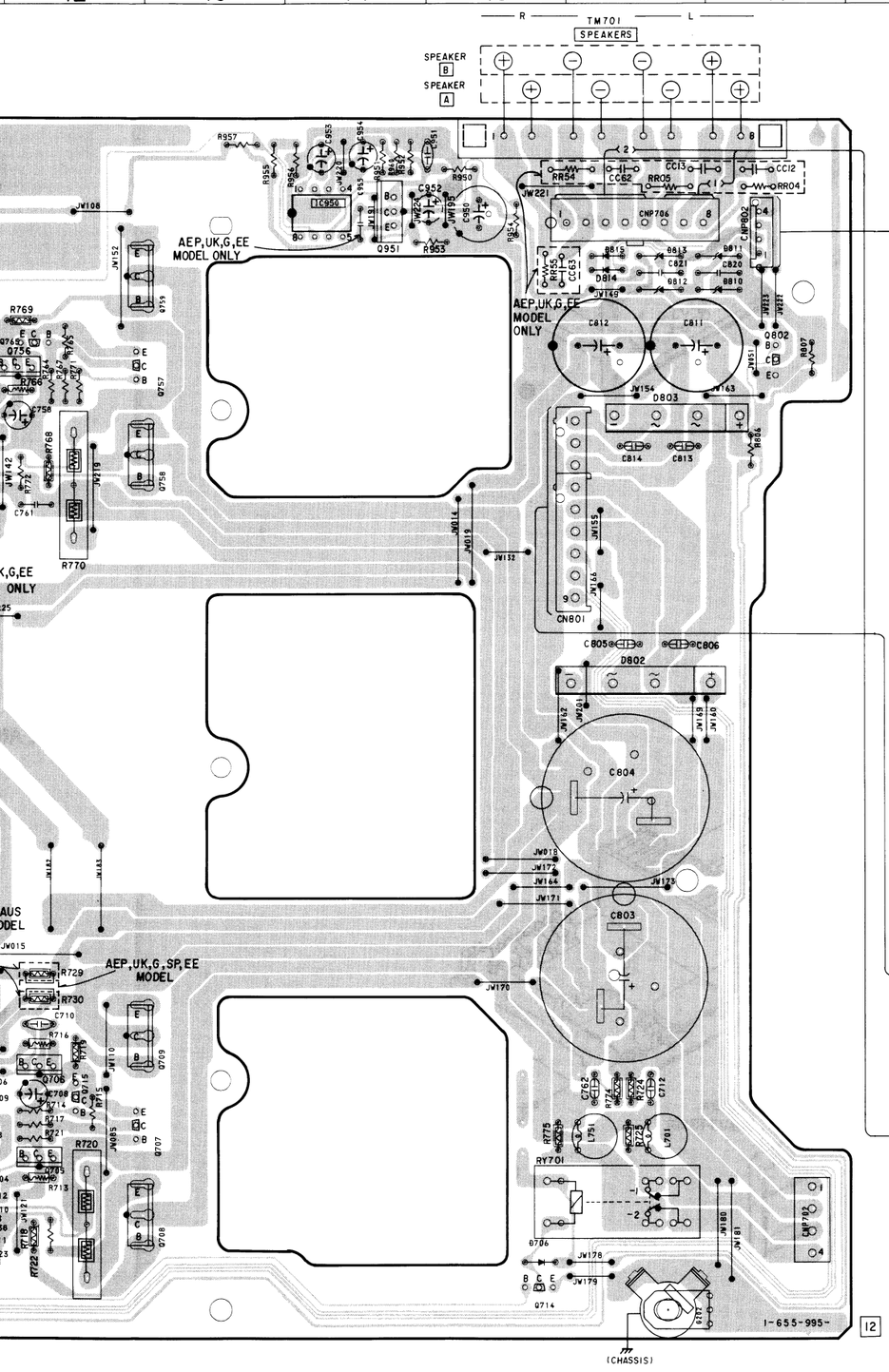
• **Semiconductor Location**

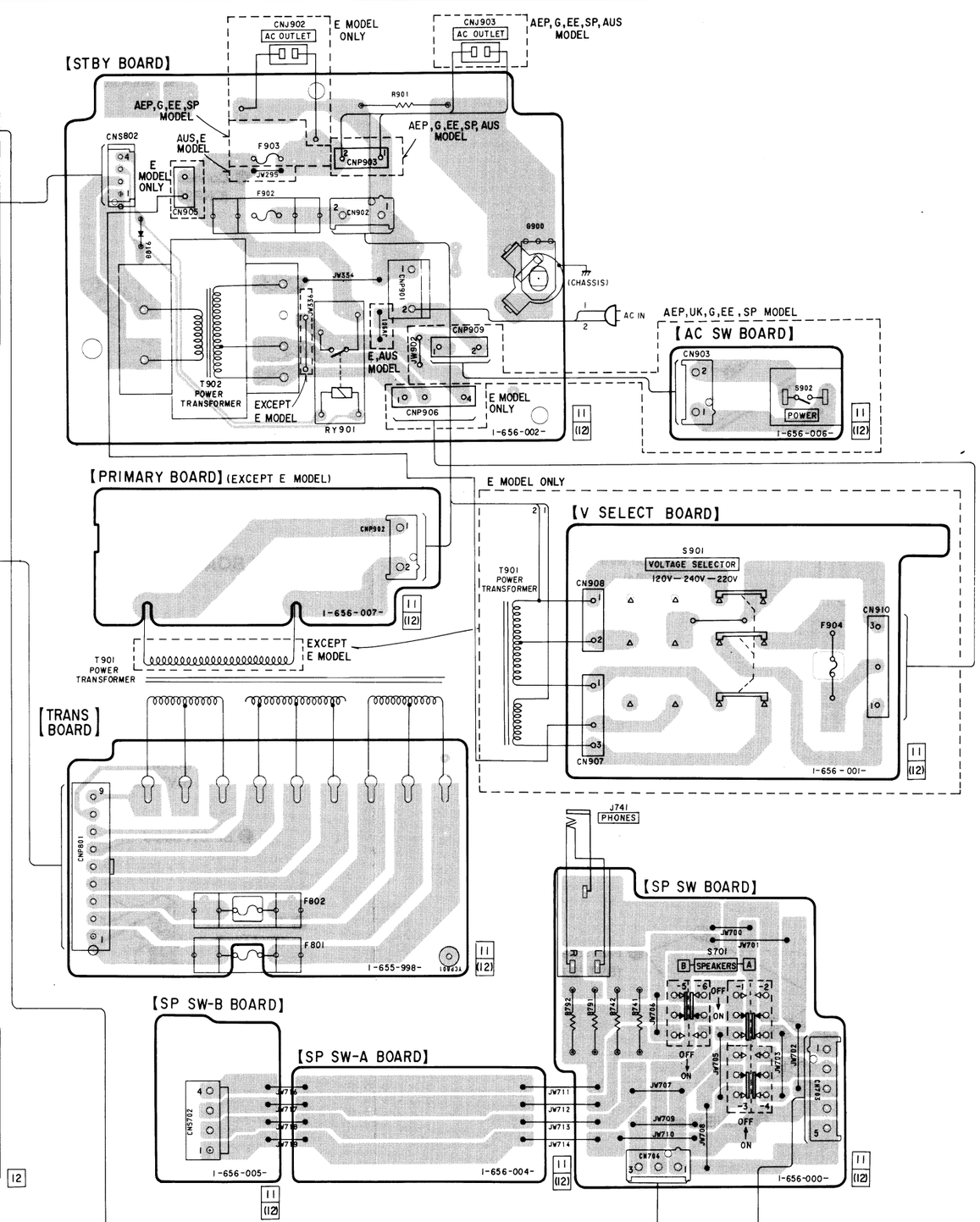
Ref. No.	Location	Ref. No.	Location
D207	D-2	Q306	F-5
D208	D-3	Q401	F-3
D421	F-1	Q402	F-3
D701	I-11	Q403	E-2
D702	H-11	Q451	F-2
D703	I-11	Q452	F-2
D704	H-10	Q453	E-2
D706	I-15	Q701	I-11
D707	H-10	Q702	H-11
D708	I-10	Q703	I-11
D710	H-10	Q704	I-11
D751	D-11	Q705	I-12
D752	C-11	Q706	H-12
D753	D-11	Q707	H-12
D801	I-10	Q708	I-12
D802	E-16	Q709	H-12
D803	C-16	Q710	I-11
D804	I-10	Q711	I-10
D810	B-17	Q712	H-10
D811	B-17	Q713	H-10
D812	B-16	Q714	J-15
D813	B-16	Q715	H-12
D814	B-16	Q751	C-11
D815	B-16	Q752	C-11
D816	B-19	Q753	C-11
		Q754	D-11
IC1	F-6	Q755	D-11
IC2	E-6	Q756	C-12
IC302	G-6	Q757	C-12
IC401	C-8	Q758	D-12
IC402	C-6	Q759	B-12
IC404	E-3	Q760	D-11
IC801	E-10	Q765	C-12
IC802	D-10	Q801	I-10
IC950	B-14	Q802	C-17
		Q951	B-14
Q305	G-6		

Note:

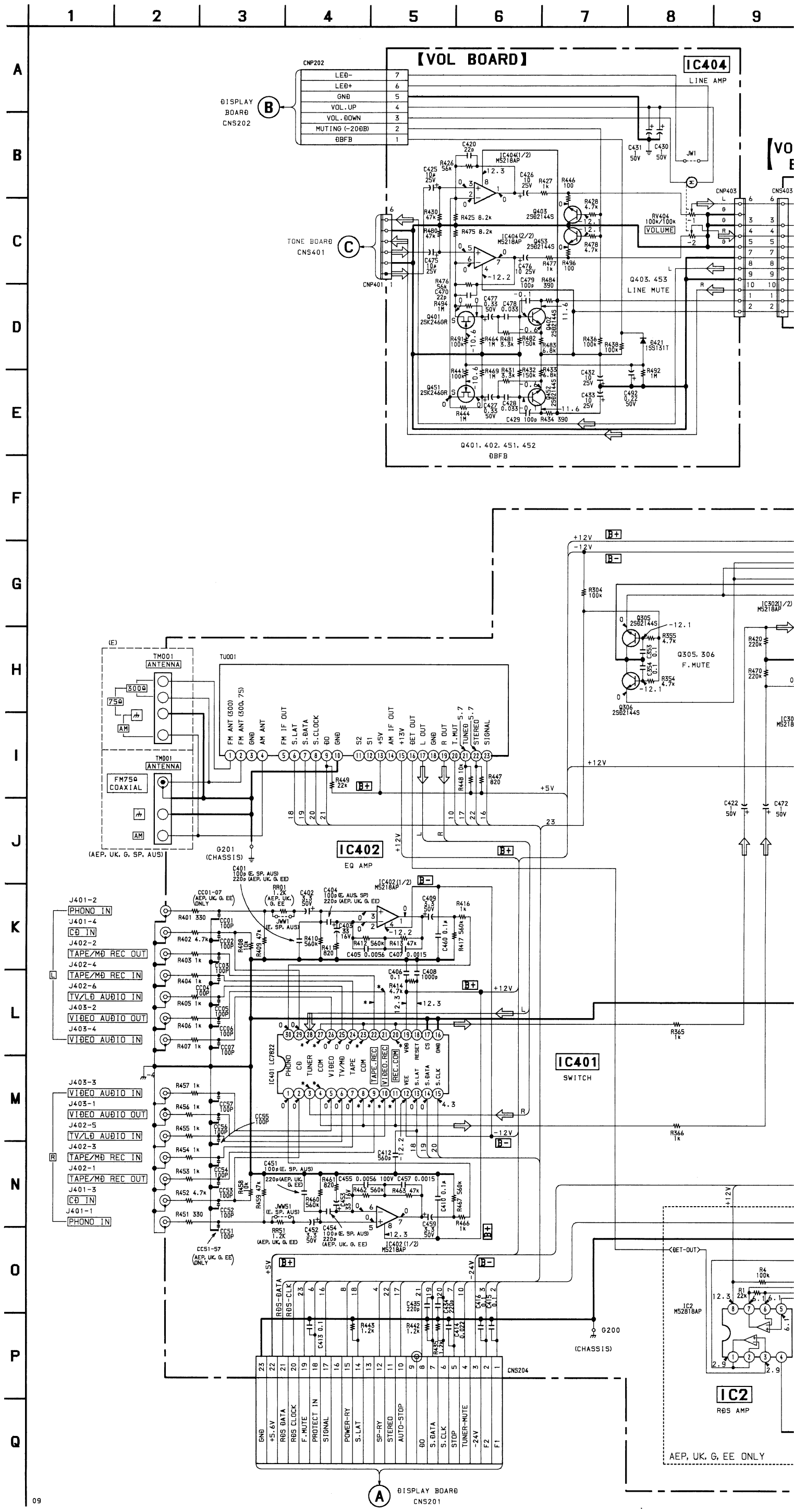
- ○—— : parts extracted from the component side.
- △ : internal component.
- ■ : parts mounted on the conductor side.
- ▒▒ : Pattern from the side which enable seeing.
- Abbreviation
  - G : German model.
  - EE : East European model.
  - SP : Singapore model.
  - AUS : Australian model.
- For detailed Hong Kong, Malaysia model, refer to SP model.




TM701
R
L
SPEAKERS
SPEAKER B
SPEAKER A
AEP,UK,G,EE MODEL ONLY
AEP,UK,G,EE MODEL ONLY
AEP,UK,G,SP,EE MODEL
AUS MODEL
IC950
Q951
Q802
D803
D802
C804
C803
RY701
Q706
Q714
I-655-995-
12
(CHASSIS)

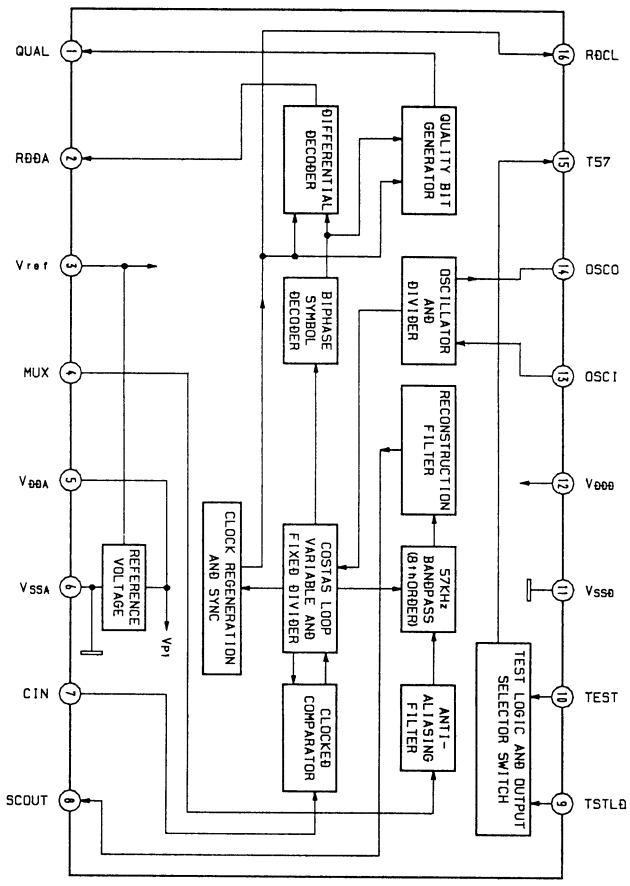

【STBY BOARD】
CNJ902
AC OUTLET
E MODEL ONLY
CNJ903
AC OUTLET
AEP,G,EE,SP,AUS MODEL
AEP,G,EE,SP MODEL
AUS,E MODEL
E MODEL ONLY
AEP,G,EE,SP,AUS MODEL
CNS802
CN905
CNP903
CN902
F903
F902
T902 POWER TRANSFORMER
EXCEPT E MODEL
RY901
E,AUS MODEL
CNP909
CNP906
E MODEL ONLY
I-656-002-
11 (12)
AC IN
AEP,UK,G,EE,SP MODEL
【AC SW BOARD】
CN903
S902
POWER
I-656-006-
【PRIMARY BOARD】(EXCEPT E MODEL)
CNP902
I-656-007-
EXCEPT E MODEL
T901 POWER TRANSFORMER
【TRANS BOARD】
CNP801
F802
F801
I-655-998-
E MODEL ONLY
【V SELECT BOARD】
T901 POWER TRANSFORMER
S901
VOLTAGE SELECTOR
120V—240V—220V
CN908
CN910
F904
CN907
I-656-001-
J741
PHONES
【SP SW BOARD】
S701
SPEAKERS
【SP SW-B BOARD】
CN702
I-656-005-
【SP SW-A BOARD】
I-656-004-
CN704
I-656-000-

3-3. SCHEMATIC DIAGRAM — MAIN SECTION —



• IC Block Diagram

IC1 SAA6579



【MAIN BOARD】

【VOL-MAIN BOARD】

【SP-SW BOARD】

【SP SW-B BOARD】

【SP SW-A BOARD】

Q701-709, 715
CURRENT MIRROR
CLASS-A AMP

Q751-759, 765
CURRENT MIRROR
CLASS-A AMP

Q710
PROTECT OUT

Q711-713
PROTECTOR

Q760
PROTECT OUT

Q714
RELAY DRIVE

*1 R713, 716, 763, 766
: (E, AUS)
: (AEP, UK, G, SP, EE)

*2 R729, 730
: (E, AUS)
: (AEP, UK, G, SP, EE)

【AC SW

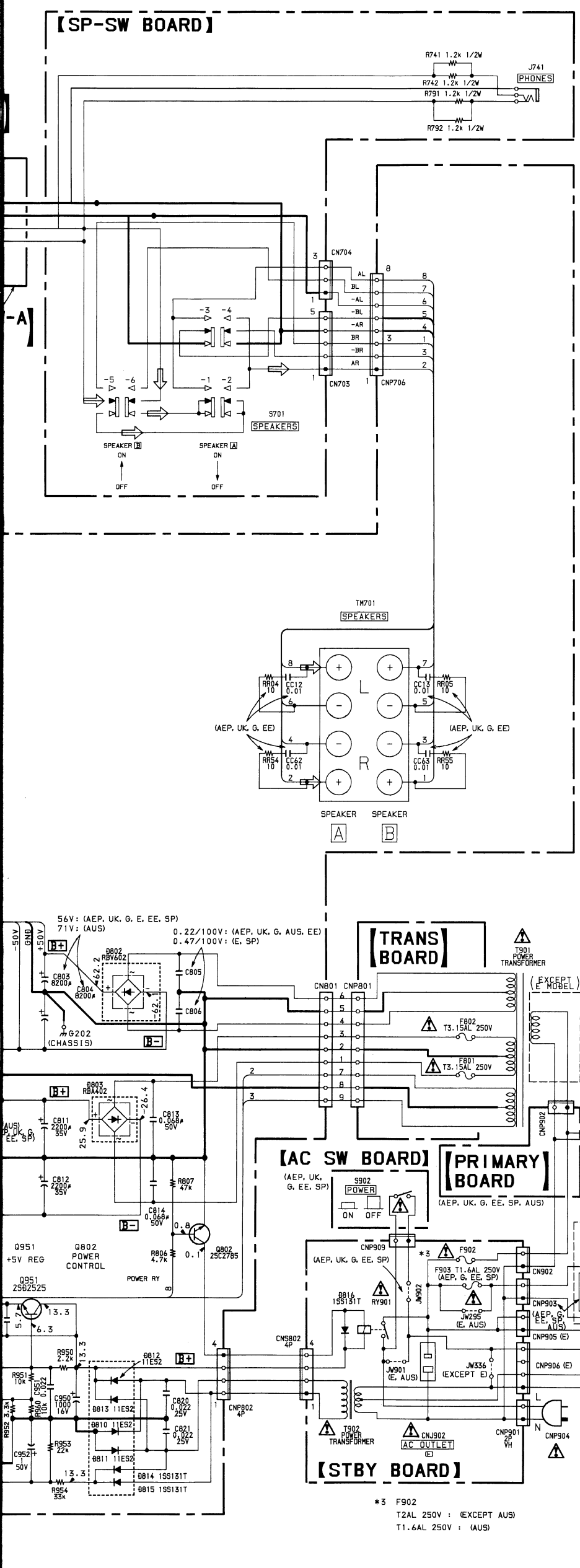
IC801
+12V REG
Q801
-24V REG

IC802
-12V REG
Q951
+5V REG
Q802
POWER CONTROL

IC950
STOP DETECTOR

IC1
RDS DECODER

19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28



NOTE

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ :internal component.
- :nonflammable resistor.
- :fusible resistor.
- :panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- B+ :B+ Line.
- B- :B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (deturned) conditions.
  no mark: FM
  * :can not be measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- For detailed Hongkong, Malaysia model, refer to SP model.
- Abbreviation
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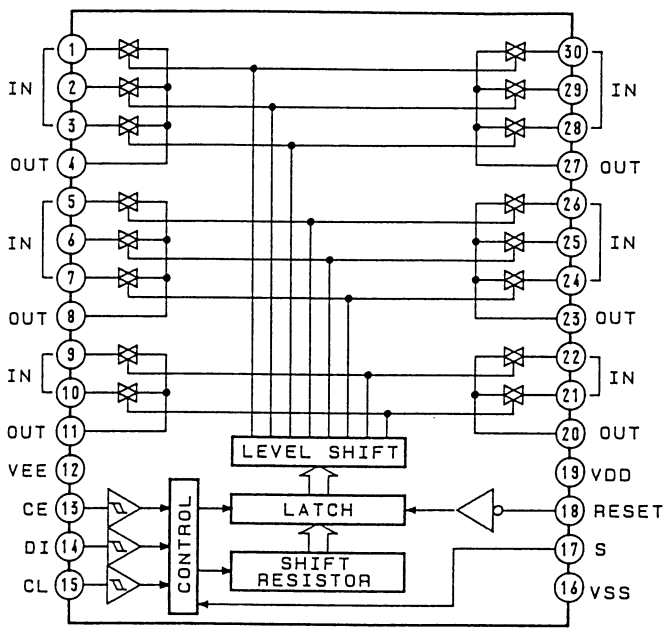
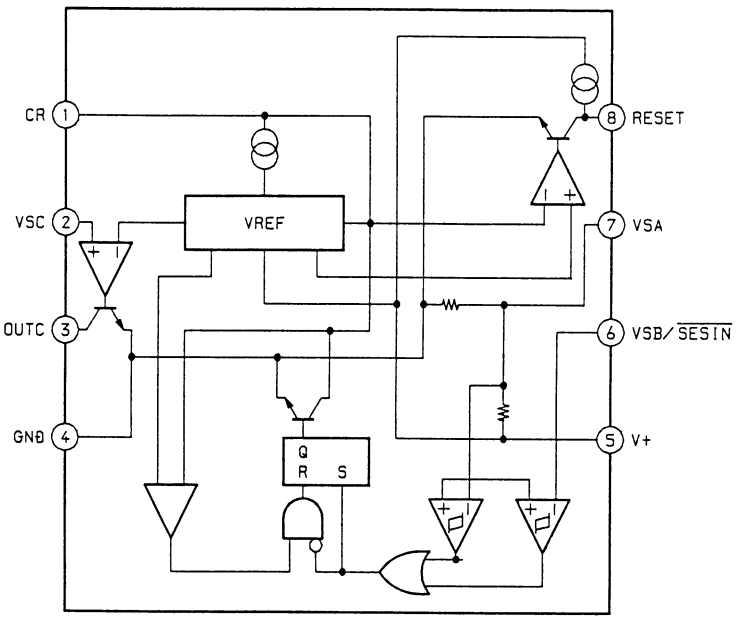
• IC Block Diagrams

IC401 LC7822



IC950 NJM2103

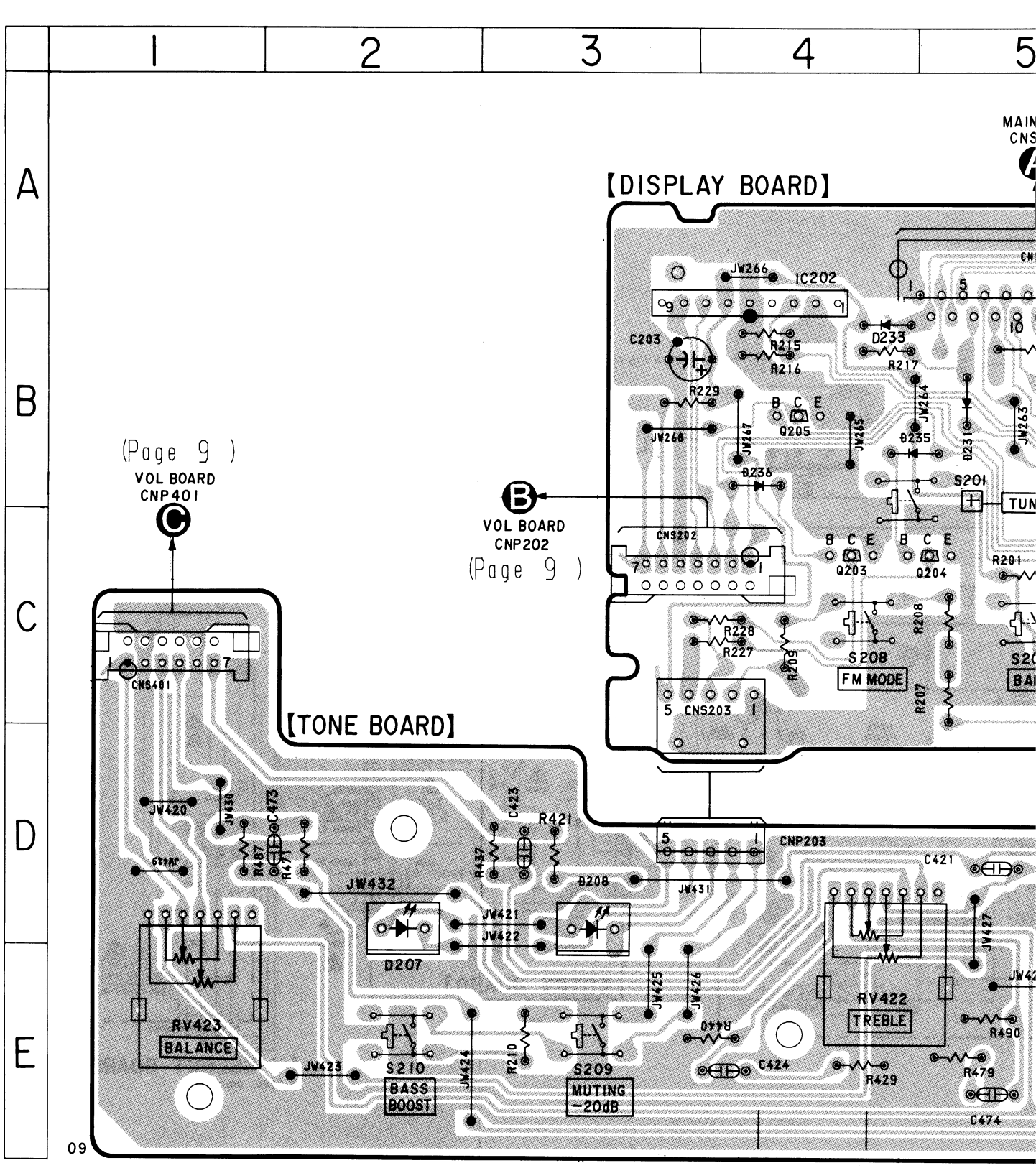


3-4. PRINTED WIRING BOARD — DISPLAY SECTION —

• See page 8 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
D206	C-15
D207	D-2
D208	D-3
D211	B-15
D212	B-15
D213	B-15
D214	B-15
D221	B-15
D222	B-15
D223	B-15
D224	B-15
D231	B-5
D232	B-14
D233	B-4
D234	B-10
D235	B-4
D236	B-4
IC201	C-11
IC202	B-4
IC203	C-15
Q201	B-9
Q202	B-9
Q203	C-4
Q204	C-5
Q205	B-4



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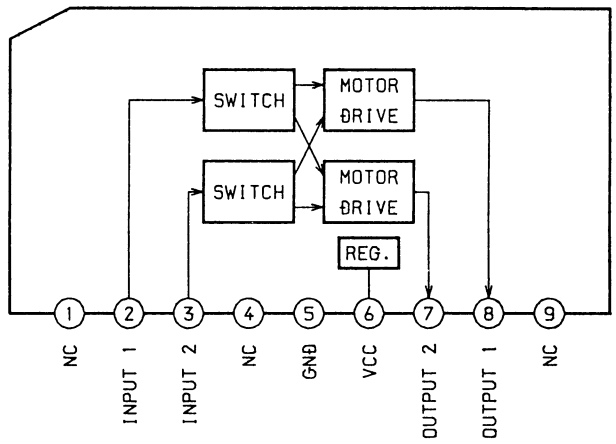
MAIN BOARD
CNS204
(A) (Page 10)

11
(12)

IC202 BA6208



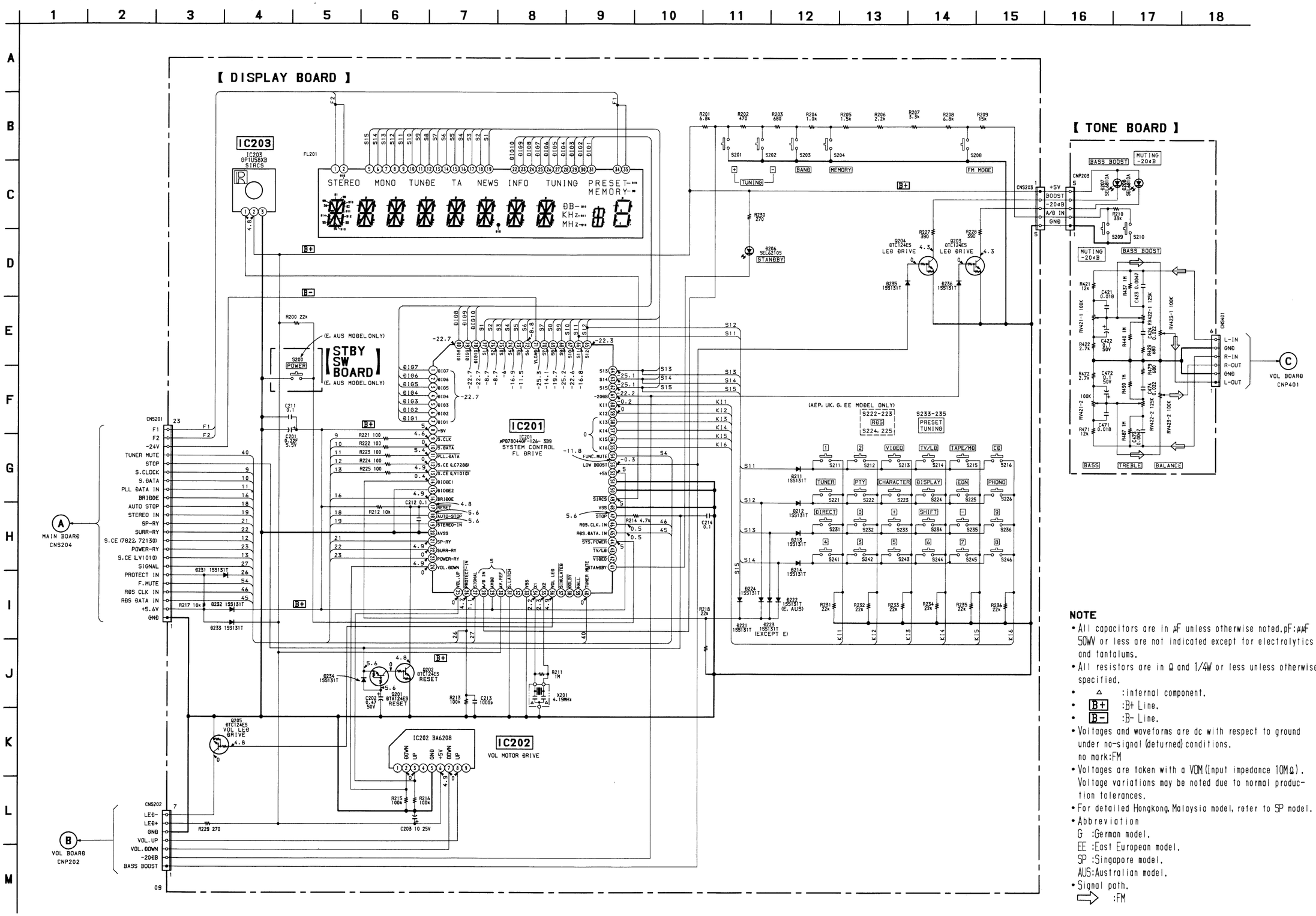
10	11	12	13	14	15	16

E,SP,AUS MODEL ONLY
【STBY SW BOARD】

AUS,E MODEL EXCEPT E MODEL
EE MODEL
E,AUS MODEL
FL201 FLUORESCENT INDICATOR TUBE
IC201
IC203
X201
C201
S200 POWER
D206 STANDBY
S213 VIDEO
S214 TV/LD
S215 TAPE/MD
S216 CD
S211 S212 S241 S242 S243 S244 S245 S246 S236
R218 R214 R230 R200
D221 D222 D223 D224 D214 D213 D212 D211
JW200 JW201 JW202 JW204 JW205 JW209 JW210 JW211 JW212 JW213 JW214 JW215 JW216 JW217 JW218 JW219 JW220 JW221 JW222 JW223 JW224 JW225 JW226 JW227 JW228 JW229 JW230 JW231 JW232 JW233 JW234 JW235 JW236 JW237 JW238 JW239 JW240 JW241 JW270 JW271
1-656-051-11 (12)
1-655-996-11 (12)

3-5. SCHEMATIC DIAGRAM — DISPLAY SECTION —

• See page 23 for IC Pin Function. (IC201)



NOTE

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- B+ : B+ Line.
- B- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (deturned) conditions.
  no mark: FM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- For detailed Hongkong, Malaysia model, refer to SP model.
- Abbreviation
  G : German model.
  EE : East European model.
  SP : Singapore model.
  AUS: Australian model.
- Signal path.
  ⇨ : FM

3-6. IC PIN FUNCTION

- **IC201 μPD78044GF-126-3B9**

Pin No.	Pin Name	I/O	Function
1	DIG 7	O	Digit 7
2	DIG 6	O	Digit 6
3	DIG 5	O	Digit 5
4	DIG 4	O	Digit 4
5	DIG 3	O	Digit 3
6	DIG 2	O	Digit 2
7	DIG 1	O	Digit 1
8	+5V	–	Vdd
9	S. CLK	O	Serial clock (normal high)
10	S. DATA	O	Serial data
11	PLL. DATA	I	PLL data in
12	S. CE (LC7288)	O	Serial CE (7822, 72130)
13	S. CE (LV1010)	O	Serial CE (LV1010)
14	DIODE 1	I	Diode 1
15	DIODE 2	I	GND
16	BRIDGE	O	Bridgeable (not used open)
17	RESET	I	Reset
18	AUTO-STOP	I	Auto stop in
19	STEREO-IN	I	Stereo in
20	AVSS	–	GND
21	SP-RY	O	Speaker relay
22	SURR-RY	O	Surround relay (not used open)
23	POWER-RY	O	Power relay
24	VOL. DOWN	O	Volume down
25	VOL. UP	O	Volume up
26	PROTECT-IN	I	Protector in
27	SIGNAL	I	Signal meter
28	A/D IN	I	A/D converter analog in
29	AVDD	–	A/D converter power supply terminal (+5V)
30	AV. REF	–	A/D converter reference voltage (+5V)
31	S. LATCH	–	GND
32			Open
33	VSS	–	GND
34	X1	–	System clock (4.19 MHz)
35	X2	–	System clock (4.19 MHz)
36	VOL LED	O	Volume LED
37	SIMULATED	O	Simulated LED (not used open)
38	DOLBY	O	Dolby (not used open)
39	HALL	O	Hall (not used open)
40	TUNER MUTE	O	Tuner mute

Pin No.	Pin Name	I/O	Function
41	STANDBY	O	Standby LED
42	VIDEO	O	Video LED (not used open)
43	TV/LD	O	TV/LD LED (not used open)
44	SYS. POWER	I	System power in
45	RDS. DATA. IN	I	RDS data in
46	RDS. CLK. IN	I	RDS clock in
47	STOP	I	Stop
48	VSS	–	GND
49	SIRCS	I	Sircs input
50		–	GND
51		–	GND
52	+5V	–	Vdd
53	LOW BOOST	O	Low boost on/off
54	FUNC MUTE	O	Function mute
55	K16	I	Key in 6
56	K15	I	Key in 5
57	K14	I	Key in 4
58	K13	I	Key in 3
59	K12	I	Key in 2
60	K11	I	Key in 1
61	–20 dB	O	–20 dB mute
62	S15	O	Segment 15/key out 1
63	S14	O	Segment 14/key out 2
64	S13	O	Segment 13/key out 3
65	S12	O	Segment 12/key out 4
66	S11	O	Segment 11/key out 5
67	S10	O	Segment 10
68	S9	O	Segment 9
69	S8	O	Segment 8
70	S7	O	Segment 7
71	VLOAD	–	FIP pull down resistor
72	S6	O	Segment 6
73	S5	O	Segment 5
74	S4	O	Segment 4
75	S3	O	Segment 3
76	S2	O	Segment 2
77	S1	O	Segment 1
78	DIG 10	O	Digit 10
79	DIG 9	O	Digit 9
80	DIG 8	O	Digit 8

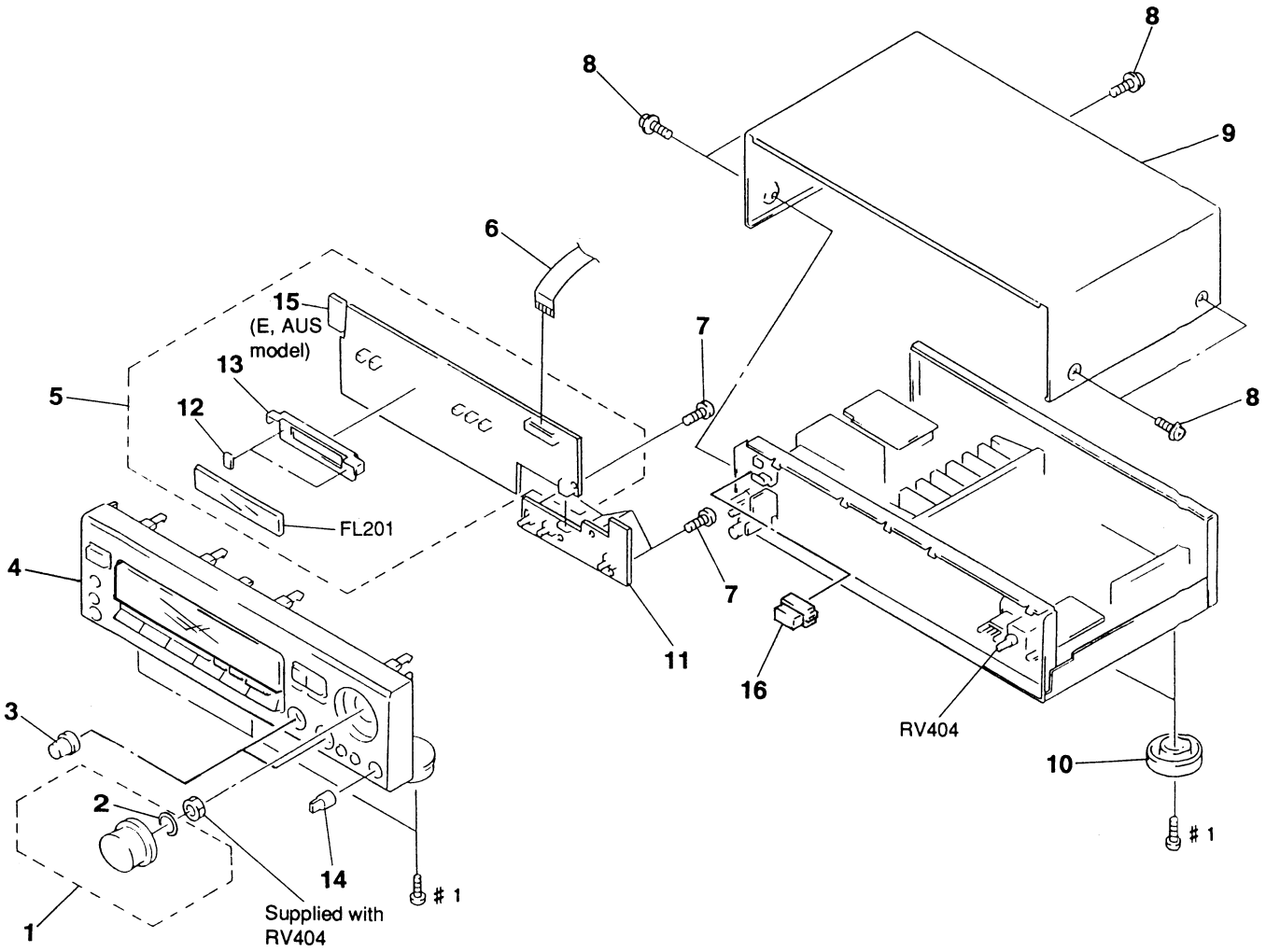
SECTION 4
EXPLODED VIEWS

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  G : German model
  SP : Singapore model
  AUS : Australian model
  For detailed Hong Kong, Malaysia model, refer to SP model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

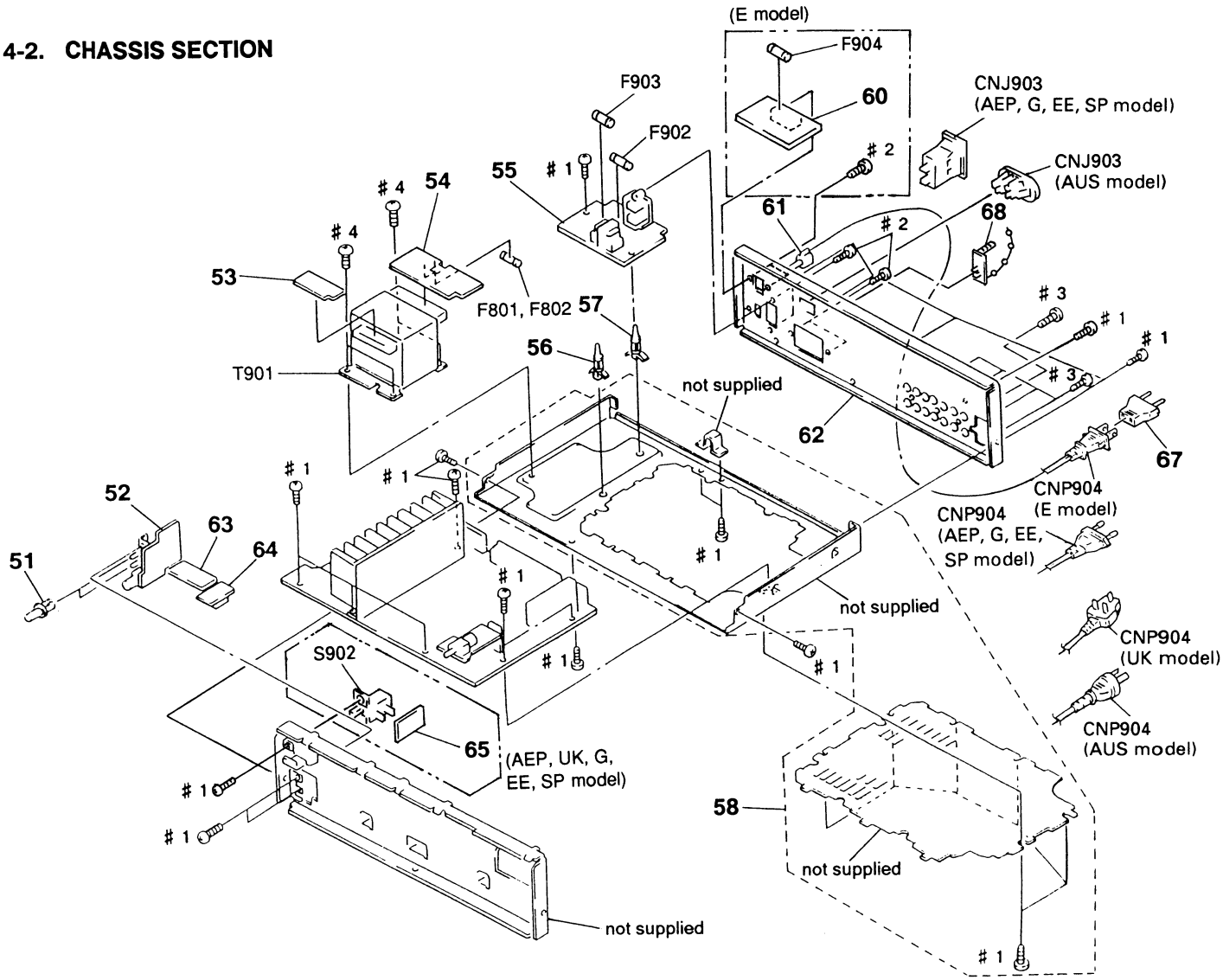
4-1. CASE AND FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	X-4945-824-1	KNOB (VOL) ASSY	
2	3-350-426-01	SPRING, RING	
3	4-943-420-01	KNOB (DIA. 19)	
4	X-4945-822-1	PANEL ASSY, FRONT (AEP, UK, G, EE)	
4	X-4946-318-1	PANEL ASSY, FRONT (E, AUS)	
4	X-4946-319-1	PANEL ASSY, FRONT (SP)	
* 5	A-4377-641-A	DISPLAY BOARD, COMPLETE (AUS)	
* 5	A-4377-644-A	DISPLAY BOARD, COMPLETE (SP)	
* 5	A-4377-648-A	DISPLAY BOARD, COMPLETE (AEP, UK, G)	
* 5	A-4377-655-A	DISPLAY BOARD, COMPLETE (EE)	
* 5	A-4378-787-A	DISPLAY BOARD, COMPLETE (E)	
6	1-773-742-11	WIRE (FLAT TYPE) (23 CORE) (E, AUS, SP)	
6	1-773-744-11	WIRE (FLAT TYPE) (23 CORE) (AEP, UK, G, EE)	
7	4-951-620-01	SCREW (2.6X8), +BVTP	

Ref. No.	Part No.	Description	Remark
8	3-704-366-01	SCREW (CASE) (M3X8)	
9	4-929-294-11	CASE (AEP, UK, G, EE)	
* 9	4-951-795-01	CASE (E, AUS, SP)	
10	X-3369-843-1	FOOT ASSY (F58175S)	
* 11	1-655-999-11	TONE BOARD	
* 12	4-921-941-01	CUSHION (FL)	
* 13	4-943-107-11	HOLDER (FL TUBE)	
14	4-957-383-01	KNOB (F14)	
15	1-656-317-11	STBY SW BOARD (E, AUS model)	
16	4-917-460-01	KNOB, POWER	
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT	
RV404	1-223-882-11	RES, VAR 100K/100K (MASTER VOLUME)	

4-2. CHASSIS SECTION

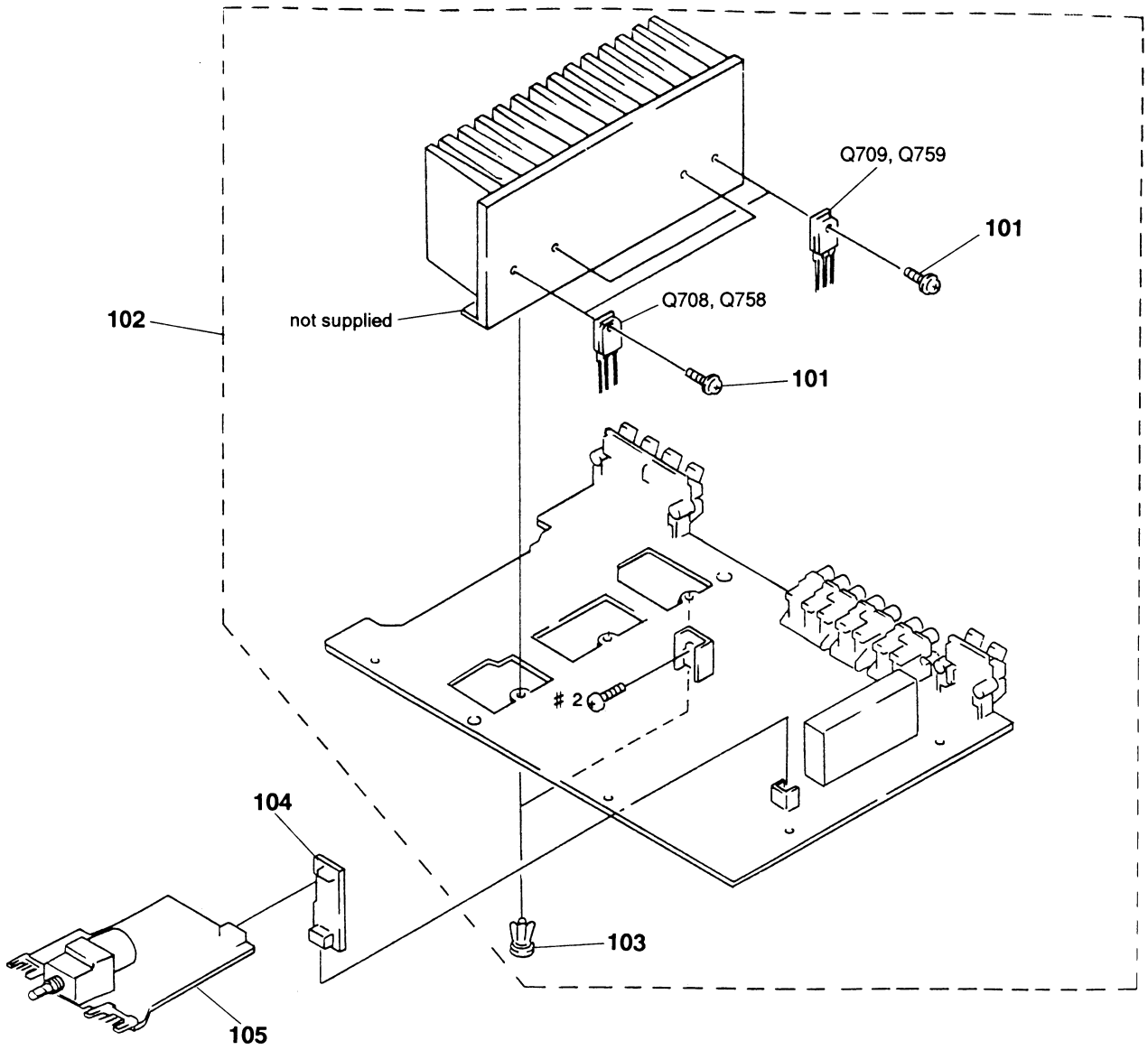


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
51	4-951-801-01	BUTTON (S)	
* 52	1-656-000-11	SP SW BOARD	
* 53	1-656-007-11	PRIMARY BOARD	
* 54	1-655-998-11	TRANS BOARD	
* 55	1-656-002-11	STBY BOARD	
* 56	3-346-265-31	HOLDER, PC BOARD	
* 57	4-924-098-31	HOLDER, PC BOARD	
* 58	A-4361-389-A	CHASSIS ASSY	
* 60	1-656-001-11	V-SELECT BOARD (E)	
61	3-703-244-00	BUSHING, CORD (AEP, UK, G, AUS, EE, SP)	
61	3-703-571-11	BUSHING (S) (4516), CORD (E)	
* 62	4-972-661-21	PANEL, BACK (AEP, G	
* 62	4-972-661-31	PANEL, BACK (SP)	
* 62	4-972-661-41	PANEL, BACK (UK)	
* 62	4-972-661-51	PANEL, BACK (AUS)	
* 62	4-972-661-61	PANEL, BACK (E)	
* 62	4-972-661-71	PANEL, BACK (EE)	
* 63	1-656-004-11	SP SW-A BOARD	
* 64	1-656-005-11	SP SW-B BOARD	
* 65	1-656-006-11	AC SW BOARD (AEP, UK, G, EE, SP)	

Ref. No.	Part No.	Description	Remark
⚠67	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
68	4-956-370-12	BAND, PLUG FIXED (UK, AUS)	
⚠CNJ903	1-251-078-11	OUTLET, AC. (AUS)	
⚠CNJ903	1-526-794-11	OUTLET, AC (AEP, G, EE, SP)	
⚠CNP904	1-575-653-11	CORD, POWER (E)	
⚠CNP904	1-696-847-11	CORD, POWER (AUS)	
⚠CNP904	1-751-520-11	CORD, POWER (UK)	
⚠CNP904	1-769-744-11	CORD, POWER (AEP, G, EE, SP)	
⚠F801	1-532-237-00	FUSE, TIME LAG (T3.15AL 250V)	
⚠F802	1-532-237-00	FUSE, TIME LAG (T3.15AL 250V)	
⚠F902	1-532-203-00	FUSE (T2AL 250V) (EXCEPT AUS)	
⚠F902	1-532-259-00	FUSE (T1.6AL 250V) (AUS)	
⚠F903	1-532-259-00	FUSE (T1.6AL 250V) (AEP, G, EE, SP)	
⚠F904	1-532-203-00	FUSE (T2AL 250V) (E)	
S902	1-572-267-21	SWITCH, PUSH (AC POWER) (1 KEY) (AEP, UK, G, EE, SP)	
⚠T901	1-427-880-11	TRANSFORMER, POWER (AEP, UK, G, EE, SP)	
⚠T901	1-427-881-11	TRANSFORMER, POWER (AUS)	
⚠T901	1-427-905-11	TRANSFORMER, POWER (E)	

4-3. MAIN SECTION



Ref. No.	Part No.	Description	Remark
101	3-905-609-01	SCREW (TRANSISTOR)	
* 102	A-4377-643-A	MAIN BOARD, COMPLETE (AUS)	
* 102	A-4377-646-A	MAIN BOARD, COMPLETE (SP)	
* 102	A-4377-650-A	MAIN BOARD, COMPLETE (AEP, UK, G)	
* 102	A-4377-656-A	MAIN BOARD, COMPLETE (EE)	
* 102	A-4378-790-A	MAIN BOARD, COMPLETE (E)	
103	4-812-134-51	RIVET NYLON	

Ref. No.	Part No.	Description	Remark
* 104	1-655-997-11	VOL-MAIN BOARD	
* 105	A-4377-522-A	VOL BOARD, COMPLETE	
Q708	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q709	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q758	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q759	8-749-010-26	TRANSISTOR MP1620-OPY-M	

AC SW DISPLAY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA..., uPB...: μPB...,
  uPC...: μPC..., uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH
- Abbreviation
  G : German model
  EE : East European model
  SP : Singapore model
  AUS : Australian model
  For detailed Hong Kong, Malaysia model, refer to SP model

Ref. No.	Part No.	Description			Remark
*	1-656-006-11	AC SW BOARD (AEP, UK, G, EE, SP)			
		**********			
		< SWITCH >			
⚠S902	1-572-267-21	SWITCH, PUSH (AC POWER) (1 KEY)			(AEP, UK, G, EE, SP)
**********					
*	A-4377-641-A	DISPLAY BOARD, COMPLETE (AUS)			
		**********			
*	A-4377-644-A	DISPLAY BOARD, COMPLETE (SP)			
		**********			
*	A-4377-648-A	DISPLAY BOARD, COMPLETE (AEP, UK, G)			
		**********			
*	A-4377-655-A	DISPLAY BOARD, COMPLETE (EE)			
		**********			
*	A-4378-787-A	DISPLAY BOARD, COMPLETE (E)			
		**********			
*	4-921-941-01	CUSHION (FL)			
*	4-943-107-11	HOLDER (FL TUBE)			
		< CAPACITOR >			
C201	1-104-905-11	DOUBLE LAYERS	0.22F		5.5V
C202	1-124-465-00	ELECT	0.47uF	20%	50V
C203	1-126-096-11	ELECT	10uF	20%	35V
C211	1-164-159-11	CERAMIC	0.1uF		50V (E, AUS, SP)
C211	1-164-159-21	CERAMIC	0.1uF		50V (AEP, UK, G, EE)
C212	1-164-159-11	CERAMIC	0.1uF		50V (E, AUS, SP)
C212	1-164-159-21	CERAMIC	0.1uF		50V (AEP, UK, G, EE)
C213	1-162-294-31	CERAMIC	0.001uF	10%	50V
C214	1-164-159-11	CERAMIC	0.1uF		50V (E, AUS, SP)
C214	1-164-159-21	CERAMIC	0.1uF		50V (AEP, UK, G, EE)

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CNS201	1-766-036-11	CONNECTOR, FFC (LIF (NON-ZIF)) 23P	
CNS202	1-770-400-11	HOUSING, CONNECTOR (PC BOARD) 7P	
* CNS203	1-565-481-11	CONNECTOR, BOARD TO BOARD 5P	
		< DIODE >	
D206	8-719-313-48	DIODE SEL6210S-TH12 (STANDBY)	
D211	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D211	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D212	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D212	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D213	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D213	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D214	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D214	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D221	8-719-815-85	DIODE 1S1585 (EE)	
D222	8-719-987-63	DIODE 1N4148M (E, AUS)	
D223	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D223	8-719-987-63	DIODE 1N4148M (AUS, SP)	
D224	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D224	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D231	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D231	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D232	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D232	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D233	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D233	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D234	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D234	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D235	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D235	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D236	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D236	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
		< FLUORESCENT INDICATOR >	
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC201	8-759-347-90	IC uPD78044GF-126-3B9	
IC202	8-759-962-08	IC BA6208	
IC203	8-749-923-11	IC GP1U58XB	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q201	8-729-029-40	TRANSISTOR	DTA124ESA (AEP, UK, G, EE)		
Q201	8-729-900-63	TRANSISTOR	DTA124ES (E, AUS, SP)		
Q202	8-729-029-86	TRANSISTOR	DTC124ESA (AEP, UK, G, EE)		
Q202	8-729-900-36	TRANSISTOR	DTC124ES (E, AUS, SP)		
Q203	8-729-029-86	TRANSISTOR	DTC124ESA (AEP, UK, G, EE)		
Q203	8-729-900-36	TRANSISTOR	DTC124ES (E, AUS, SP)		
Q204	8-729-029-86	TRANSISTOR	DTC124ESA (AEP, UK, G, EE)		
Q204	8-729-900-36	TRANSISTOR	DTC124ES (E, AUS, SP)		
Q205	8-729-029-86	TRANSISTOR	DTC124ESA (AEP, UK, G, EE)		
Q205	8-729-900-36	TRANSISTOR	DTC124ES (E, AUS, SP)		
		< RESISTOR >			
R200	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R200	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
R201	1-249-427-11	CARBON	6.8K	5% 1/4W F	
R202	1-249-413-11	CARBON	470	5% 1/4W F	
R203	1-249-415-11	CARBON	680	5% 1/4W F	
R204	1-249-417-11	CARBON	1K	5% 1/4W F	
R205	1-249-419-11	CARBON	1.5K	5% 1/4W F	
R206	1-249-421-11	CARBON	2.2K	5% 1/4W F	
R207	1-249-423-11	CARBON	3.3K	5% 1/4W F	
R208	1-249-427-11	CARBON	6.8K	5% 1/4W F	
R209	1-249-431-11	CARBON	15K	5% 1/4W	
R211	1-247-903-00	CARBON	1M	5% 1/4W	
R212	1-249-429-11	CARBON	10K	5% 1/4W	
R213	1-249-441-11	CARBON	100K	5% 1/4W	
R214	1-249-425-11	CARBON	4.7K	5% 1/4W F	
R215	1-249-441-11	CARBON	100K	5% 1/4W	
R216	1-249-441-11	CARBON	100K	5% 1/4W	
R217	1-249-429-11	CARBON	10K	5% 1/4W	
R218	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R218	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
R221	1-247-807-31	CARBON	100	5% 1/4W	
R222	1-247-807-31	CARBON	100	5% 1/4W	
R223	1-247-807-31	CARBON	100	5% 1/4W	
R224	1-247-807-31	CARBON	100	5% 1/4W	
R225	1-247-807-31	CARBON	100	5% 1/4W	
R227	1-249-412-11	CARBON	390	5% 1/4W F	
R228	1-249-412-11	CARBON	390	5% 1/4W F	
R229	1-249-410-11	CARBON	270	5% 1/4W F	
R230	1-249-410-11	CARBON	270	5% 1/4W F	
R231	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R231	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
R232	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R232	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
R233	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R233	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
R234	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R234	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
R235	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R235	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
R236	1-247-863-91	CARBON	22K	5% 1/4W	(AEP, UK, G, EE)
R236	1-249-433-11	CARBON	22K	5% 1/4W	(E, AUS, SP)
		< SWITCH >			
S201	1-554-303-21	SWITCH, TACTILE (TUNING +)			
S202	1-554-303-21	SWITCH, TACTILE (TUNING -)			
S203	1-554-303-21	SWITCH, TACTILE (BAND)			
S204	1-554-303-21	SWITCH, TACTILE (MEMORY)			
S208	1-554-303-21	SWITCH, TACTILE (FM MODE)			
S211	1-554-303-21	SWITCH, TACTILE (1)			
S212	1-554-303-21	SWITCH, TACTILE (2)			
S213	1-554-303-21	SWITCH, TACTILE (VIDEO)			
S214	1-554-303-21	SWITCH, TACTILE (TV/LD)			
S215	1-554-303-21	SWITCH, TACTILE (TAPE/MD)			
S216	1-554-303-21	SWITCH, TACTILE (CD)			
S221	1-554-303-21	SWITCH, TACTILE (TUNER)			
S222	1-554-303-21	SWITCH, TACTILE (PTY RDS) (AEP, UK, G, EE)			
S223	1-554-303-21	SWITCH, TACTILE (CHARACTER) (AEP, UK, G, EE)			
S224	1-554-303-21	SWITCH, TACTILE (DISPLAY) (AEP, UK, G, EE)			
S225	1-554-303-21	SWITCH, TACTILE (EON RDS) (AEP, UK, G, EE)			
S226	1-554-303-21	SWITCH, TACTILE (PHONO)			
S231	1-554-303-21	SWITCH, TACTILE (DIRECT)			
S232	1-554-303-21	SWITCH, TACTILE (0)			
S233	1-554-303-21	SWITCH, TACTILE (+)			
S234	1-554-303-21	SWITCH, TACTILE (SHIFT)			
S235	1-554-303-21	SWITCH, TACTILE (-)			
S236	1-554-303-21	SWITCH, TACTILE (9)			
S241	1-554-303-21	SWITCH, TACTILE (4)			
S242	1-554-303-21	SWITCH, TACTILE (3)			
S243	1-554-303-21	SWITCH, TACTILE (5)			
S244	1-554-303-21	SWITCH, TACTILE (6)			
S245	1-554-303-21	SWITCH, TACTILE (7)			
S246	1-554-303-21	SWITCH, TACTILE (8)			

DISPLAY MAIN

Ref. No.	Part No.	Description		Remark
		< VIBRATOR >		
X201	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)		
**********				
*	A-4377-643-A	MAIN BOARD, COMPLETE (AUS)		
		**********		
*	A-4377-646-A	MAIN BOARD, COMPLETE (SP)		
		**********		
*	A-4377-650-A	MAIN BOARD, COMPLETE (AEP, UK, G)		
		**********		
*	A-4377-656-A	MAIN BOARD, COMPLETE (EE)		
		**********		
*	A-4378-790-A	MAIN BOARD, COMPLETE (E)		
		**********		
	3-905-609-01	SCREW (TRANSISTOR)		
	4-812-134-00	RIVET (DIA. 3.5), NYLON (E, AUS)		
	4-812-134-51	RIVET (DIA. 3.5), NYLON (AEP, UK, G, EE, SP)		
	7-682-548-04	SCREW +BVTT 3X8 (S)		
		< CAPACITOR >		
C1	1-126-964-11	ELECT	10uF	20% 50V (AEP, UK, G, EE)
C2	1-162-306-11	CERAMIC	0.01uF	30% 16V (AEP, UK, G, EE)
C3	1-162-288-31	CERAMIC	330PF	10% 50V (AEP, UK, G, EE)
C4	1-124-925-11	ELECT	2.2uF	20% 100V (AEP, UK, G, EE)
C5	1-162-306-11	CERAMIC	0.01uF	30% 16V (AEP, UK, G, EE)
C6	1-162-291-31	CERAMIC	560PF	10% 50V (AEP, UK, G, EE)
C7	1-164-068-11	CERAMIC	82PF	5% 50V (AEP, UK, G, EE)
C8	1-164-062-11	CERAMIC	47PF	5% 50V (AEP, UK, G, EE)
C299	1-161-494-11	CERAMIC	0.022uF	30% 25V
C353	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C353	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C354	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C354	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C363	1-164-159-11	CERAMIC	0.1uF (AUS)	50V
C363	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C401	1-162-286-21	CERAMIC	220PF	10% 50V (AEP, UK, G, EE)
C401	1-162-282-31	CERAMIC	100PF	10% 50V (E, AUS, SP)
C402	1-126-111-11	ELECT	3.3uF	20% 50V (AEP, UK, G, EE)
C402	1-126-962-11	ELECT	3.3uF	20% 50V (E, AUS, SP)
C403	1-126-966-11	ELECT	33uF	20% 16V (AEP, UK, G, EE)
C403	1-104-663-11	ELECT	33uF	20% 16V (E, AUS, SP)
C404	1-162-286-21	CERAMIC	220PF	10% 50V (AEP, UK, G, EE)
C404	1-162-282-31	CERAMIC	100PF	10% 50V (E, AUS, SP)
C405	1-137-459-11	FILM	0.0056uF	5% 100V
C406	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C406	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C407	1-137-365-11	FILM	0.0015uF	5% 50V
C408	1-162-294-31	CERAMIC	0.001uF	10% 50V
C409	1-126-111-11	ELECT	3.3uF	20% 50V (AEP, UK, G, EE)
C409	1-126-962-11	ELECT	3.3uF	20% 50V (E, AUS, SP)
C410	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C410	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C412	1-162-291-31	CERAMIC	560PF	10% 50V
C413	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C413	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C414	1-161-494-00	CERAMIC	0.022uF	25V
C415	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C415	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C416	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C416	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C421	1-124-907-11	ELECT	10uF	20% 50V (E, AUS, SP)
C421	1-126-964-11	ELECT	10uF	20% 50V (AEP, UK, G, EE)
C422	1-124-903-11	ELECT	1uF	20% 50V
C434	1-162-286-21	CERAMIC	220PF	10% 50V (AEP, UK, G, EE)
C434	1-162-286-31	CERAMIC	220PF	10% 50V (E, AUS, SP)

Ref. No.	Part No.	Description		Remark
C435	1-162-286-21	CERAMIC	220PF	10% 50V (AEP, UK, G, EE)
C435	1-162-286-31	CERAMIC	220PF	10% 50V (E, AUS, SP)
C451	1-162-286-21	CERAMIC	220PF	10% 50V (AEP, UK, G, EE)
C451	1-162-282-31	CERAMIC	100PF	10% 50V (E, AUS, SP)
C452	1-126-111-11	ELECT	3.3uF	20% 50V (AEP, UK, G, EE)
C452	1-126-962-11	ELECT	3.3uF	20% 50V (E, AUS, SP)
C453	1-104-663-11	ELECT	33uF	20% 16V (E, AUS, SP)
C453	1-126-966-11	ELECT	33uF	20% 16V (AEP, UK, G, EE)
C454	1-162-286-21	CERAMIC	220PF	10% 50V (AEP, UK, G, EE)
C454	1-162-282-31	CERAMIC	100PF	10% 50V (E, AUS, SP)
C455	1-137-459-11	FILM	0.0056uF	5% 100V
C457	1-137-365-11	FILM	0.0015uF	5% 50V
C459	1-126-111-11	ELECT	3.3uF	20% 50V (AEP, UK, G, EE)
C459	1-126-962-11	ELECT	3.3uF	20% 50V (E, AUS, SP)
C460	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C460	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C471	1-124-907-11	ELECT	10uF	20% 50V (E, AUS, SP)
C471	1-126-964-11	ELECT	10uF	20% 50V (AEP, UK, G, EE)
C472	1-124-903-11	ELECT	1uF	20% 50V
C701	1-124-927-11	ELECT	4.7uF	20% 100V (AEP, UK, G, EE)
C701	1-126-963-11	ELECT	4.7uF	20% 50V (E, AUS, SP)
C702	1-164-077-11	CERAMIC	220PF	10% 50V
C703	1-162-215-31	CERAMIC	47PF	5% 50V
C704	1-104-666-11	ELECT	220uF	20% 6.3V (E, AUS, SP)
C704	1-126-923-11	ELECT	220uF	20% 10V (AEP, UK, G, EE)
C705	1-164-084-11	CERAMIC	820PF	10% 50V
C706	1-104-664-11	ELECT	47uF	20% 16V (E, AUS, SP)
C706	1-126-967-11	ELECT	47uF	20% 16V (AEP, UK, G, EE)
C707	1-164-039-11	CERAMIC	3PF	0.25PF 50V
C708	1-104-664-11	ELECT	47uF	20% 16V (E, AUS, SP)
C708	1-126-967-11	ELECT	47uF	20% 16V (AEP, UK, G, EE)
C710	1-162-815-11	CERAMIC	47PF	5% 500V
C711	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C711	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C712	1-137-372-11	FILM	0.022uF	5% 50V
C720	1-126-935-11	ELECT	470uF	20% 6.3V (AEP, UK, G, EE)
C720	1-126-941-11	ELECT	470uF	20% 6.3V (E, AUS, SP)
C721	1-124-927-11	ELECT	4.7uF	20% 100V (E, AUS, SP)
C721	1-128-581-11	ELECT	4.7uF	20% 100V (AEP, UK, G, EE)
C722	1-124-927-11	ELECT	4.7uF	20% 100V (E, AUS, SP)
C722	1-128-581-11	ELECT	4.7uF	20% 100V (AEP, UK, G, EE)
C723	1-124-463-00	ELECT	0.1uF	20% 50V
C751	1-124-927-11	ELECT	4.7uF	20% 100V (AEP, UK, G, EE)
C751	1-126-963-11	ELECT	4.7uF	20% 50V (E, AUS, SP)
C752	1-164-077-11	CERAMIC	220PF	10% 50V
C753	1-162-215-31	CERAMIC	47PF	5% 50V
C754	1-104-666-11	ELECT	220uF	20% 6.3V (E, AUS, SP)
C754	1-126-923-11	ELECT	220uF	20% 10V (AEP, UK, G, EE)
C755	1-164-084-11	CERAMIC	820PF	10% 50V
C756	1-104-664-11	ELECT	47uF	20% 16V (E, AUS, SP)
C756	1-126-967-11	ELECT	47uF	20% 16V (AEP, UK, G, EE)
C757	1-164-039-11	CERAMIC	3PF	0.25PF 50V
C758	1-104-664-11	ELECT	47uF	20% 16V (E, AUS, SP)
C758	1-126-967-11	ELECT	47uF	20% 16V (AEP, UK, G, EE)
C760	1-162-815-11	CERAMIC	47PF	5% 500V
C761	1-164-159-11	CERAMIC	0.1uF	50V (E, AUS, SP)
C761	1-164-159-21	CERAMIC	0.1uF	50V (AEP, UK, G, EE)
C762	1-137-372-11	FILM	0.022uF	5% 50V
C801	1-104-664-11	ELECT	47uF	20% 25V (AEP, UK, G, EE)
C801	1-124-477-11	ELECT	47uF	20% 25V (E, AUS, SP)
C802	1-104-664-11	ELECT	47uF	20% 25V (AEP, UK, G, EE)

MAIN

Ref. No.	Part No.	Description				Remark
C802	1-124-477-11	ELECT	47uF	20%	25V	(E, AUS, SP)
C803	1-107-766-11	ELECT	8200uF	20%	71V	(AUS)
C803	1-125-556-11	ELECT(BLOCK)	8200uF	20%	56V	(AEP, UK, G, E, EE, SP)
C804	1-107-766-11	ELECT	8200uF	20%	71V	(AUS)
C804	1-125-556-11	ELECT(BLOCK)	8200uF	20%	56V	(AEP, UK, G, E, EE, SP)
C805	1-130-781-00	FILM	0.22uF	10%	100V	(AEP, UK, G, AUS, EE)
C805	1-137-420-11	FILM	0.047uF	10%	100V	(E, SP)
C806	1-130-781-00	FILM	0.22uF	10%	100V	(AEP, UK, G, AUS, EE)
C806	1-137-420-11	FILM	0.047uF	10%	100V	(E, SP)
C807	1-104-664-11	ELECT	47uF	20%	25V	(AEP, UK, G, EE)
C807	1-124-477-11	ELECT	47uF	20%	25V	(E, AUS, SP)
C808	1-104-664-11	ELECT	47uF	20%	25V	(AEP, UK, G, EE)
C808	1-124-477-11	ELECT	47uF	20%	25V	(E, AUS, SP)
C809	1-124-903-11	ELECT	1uF	20%	50V	
C810	1-124-903-11	ELECT	1uF	20%	50V	
C811	1-124-618-11	ELECT	2200uF	20%	35V	(E, AUS, SP)
C811	1-126-953-11	ELECT	2200uF	20%	35V	(AEP, UK, G, EE)
C812	1-124-618-11	ELECT	2200uF	20%	35V	(E, AUS, SP)
C812	1-126-953-11	ELECT	2200uF	20%	35V	(AEP, UK, G, EE)
C813	1-137-375-11	FILM	0.068uF	5%	50V	
C814	1-137-375-11	FILM	0.068uF	5%	50V	
C820	1-161-494-00	CERAMIC	0.022uF		25V	
C821	1-161-494-00	CERAMIC	0.022uF		25V	
C950	1-126-942-61	ELECT	1000uF	20%	16V	(E, AUS, SP)
C950	1-126-952-11	ELECT	1000uF	20%	16V	(AEP, UK, G, EE)
C951	1-164-097-11	CERAMIC	0.022uF		50V	
C952	1-124-903-11	ELECT	1uF	20%	50V	
C953	1-124-464-11	ELECT	0.22uF	20%	50V	
C954	1-124-907-11	ELECT	10uF	20%	50V	(E, AUS, SP)
C954	1-126-964-11	ELECT	10uF	20%	50V	(AEP, UK, G, EE)
C955	1-164-159-21	CERAMIC	0.1uF		50V	(AEP, UK, G, EE)

Ref. No.	Part No.	Description				Remark
CC01	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC02	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC03	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC04	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC05	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC06	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC07	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC12	1-164-096-11	CERAMIC	0.01uF		50V	(AEP, UK, G, EE)
CC13	1-164-096-11	CERAMIC	0.01uF		50V	(AEP, UK, G, EE)
CC20	1-164-159-21	CERAMIC	0.1uF		50V	(AEP, UK, G, EE)
CC21	1-164-159-21	CERAMIC	0.1uF		50V	(AEP, UK, G, EE)
CC51	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC52	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC53	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC54	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC55	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC56	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC57	1-162-282-31	CERAMIC	100PF	10%	50V	(AEP, UK, G, EE)
CC62	1-164-096-11	CERAMIC	0.01uF		50V	(AEP, UK, G, EE)
CC63	1-164-096-11	CERAMIC	0.01uF		50V	(AEP, UK, G, EE)

< CONNECTOR >

CNP404	1-750-384-11	CONNECTOR, BOARD TO BOARD 11P	(AEP, UK, G, E, EE, SP)
CNP702	1-770-481-11	PIN, CONNECTOR 4P (PHONO/CD IN)	
CNP706	1-764-477-11	PIN, CONNECTOR (PC BOARD) 8P	(TAPE/MD REC IN/OUT, TV/LD AUDIO IN)
CNP802	1-770-479-11	PLUG, CONNECTOR PIN(PC BOARD) 4P	(VIDEO AUDIO IN/OUT)
CNS204	1-764-928-11	CONNECTOR, FFC(LIF(NON-ZIF)) 23P	
CNS404	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P	(E, AUS, SP)
* CNS701	1-764-914-11	CONNECTOR, FFC(LIF(NON-ZIF)) 9P	(AUS)

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D701	8-719-933-41	DIODE HZS6C3L	
D702	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D702	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D703	8-719-815-85	DIODE 1S1585	
D704	8-719-815-85	DIODE 1S1585	
D706	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D706	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D707	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D707	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D708	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D708	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D710	8-719-815-85	DIODE 1S1585	
D751	8-719-933-41	DIODE HZS6C3L	
D752	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D752	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D753	8-719-815-85	DIODE 1S1585	
D801	8-719-002-33	DIODE UZL-24L	
D802	8-719-302-38	DIODE RBV-602-01	
D803	8-719-025-03	DIODE RBA-402-SL	
D804	8-719-010-38	DIODE UZ-5.1BSB	
D810	8-719-024-99	DIODE 11ES2-NTA2B (E, AUS, SP)	
D810	8-719-200-82	DIODE 11ES2 (AEP, UK, G, EE)	
D811	8-719-024-99	DIODE 11ES2-NTA2B (E, AUS, SP)	
D811	8-719-200-82	DIODE 11ES2 (AEP, UK, G, EE)	
D812	8-719-024-99	DIODE 11ES2-NTA2B (E, AUS, SP)	
D812	8-719-200-82	DIODE 11ES2 (AEP, UK, G, EE)	
D813	8-719-024-99	DIODE 11ES2-NTA2B (E, AUS, SP)	
D813	8-719-200-82	DIODE 11ES2 (AEP, UK, G, EE)	
D814	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D814	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
D815	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D815	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
		< GROUND TERMINAL >	
G200	1-537-770-21	TERMINAL BOARD, GROUND	
G201	1-537-770-21	TERMINAL BOARD, GROUND	
G202	1-537-770-21	TERMINAL BOARD, GROUND	
		< IC >	
IC1	8-759-169-99	IC SAA6579 (AEP, UK, G, EE)	
IC2	8-759-636-74	IC M5218AP-22 (AEP, UK, G, EE)	
IC302	8-759-636-74	IC M5218AP-22	
IC401	8-759-805-14	IC LC7822	
IC402	8-759-636-74	IC M5218AP-22	
IC801	8-759-287-58	IC TA78M12P	
IC802	8-759-700-69	IC NJM79L12A	
IC950	8-759-333-83	IC NJM2103D	

Ref. No.	Part No.	Description	Remark
		< JACK >	
J401	1-695-188-21	JACK, PIN 4P (PHONO/CD IN)	
J402	1-580-825-11	JACK, PIN 6P (TAPE/MD REC IN/OUT, TV/LD AUDIO IN)	
J403	1-695-188-21	JACK, PIN 4P (VIDEO AUDIO IN/OUT)	(AEP, UK, G, EE)
J403	1-573-028-21	JACK, PIN 4P (VIDEO AUDIO IN/OUT)	(E, AUS, SP)
		< COIL >	
L1	1-410-521-11	INDUCTOR 100uH (AEP, UK, G, EE)	
L401	1-410-509-11	INDUCTOR 10uH (AEP, UK, G, EE)	
L701	1-420-872-00	COIL, AIR-CORE	
L751	1-420-872-00	COIL, AIR-CORE	
		< TRANSISTOR >	
Q305	8-729-141-30	TRANSISTOR 2SC3623A-LK (E, AUS, SP)	
Q305	8-729-922-37	TRANSISTOR 2SD2144S-UVW (AEP, UK, G, EE)	
Q306	8-729-141-30	TRANSISTOR 2SC3623A-LK (E, AUS, SP)	
Q306	8-729-922-37	TRANSISTOR 2SD2144S-UVW (AEP, UK, G, EE)	
Q701	8-729-620-18	TRANSISTOR 2SA979-FG	
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q703	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q704	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q705	8-729-122-13	TRANSISTOR 2SA1221-K	
Q706	8-729-195-82	TRANSISTOR 2SC2958-L	
Q707	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q708	8-749-010-25	IC MN2488-OPY-M	
Q709	8-749-010-26	IC MP1620-OPY-M	
Q710	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q711	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q712	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q713	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q714	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q715	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q751	8-729-620-18	TRANSISTOR 2SA979-FG	
Q752	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q753	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q754	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q755	8-729-122-13	TRANSISTOR 2SA1221-K	
Q756	8-729-195-82	TRANSISTOR 2SC2958-L	
Q757	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q758	8-749-010-25	IC MN2488-OPY-M	
Q759	8-749-010-26	IC MP1620-OPY-M	
Q760	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q765	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q801	8-729-140-97	TRANSISTOR 2SB734-34	
Q802	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q951	8-729-030-18	TRANSISTOR 2SD2525	

MAIN

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R1	1-247-863-91	CARBON	22K	5%	1/4W (AEP, UK, G, EE)
R2	1-249-426-11	CARBON	5.6K	5%	1/4W (AEP, UK, G, EE)
R3	1-249-441-11	CARBON	100K	5%	1/4W (AEP, UK, G, EE)
R4	1-249-441-11	CARBON	100K	5%	1/4W (AEP, UK, G, EE)
R5	1-249-421-11	CARBON	2.2K	5%	1/4W F (AEP, UK, G, EE)
R6	1-247-807-31	CARBON	100	5%	1/4W (AEP, UK, G, EE)
R7	1-247-807-31	CARBON	100	5%	1/4W (AEP, UK, G, EE)
R304	1-249-441-11	CARBON	100K	5%	1/4W
R354	1-249-425-11	CARBON	4.7K	5%	1/4W F
R355	1-249-425-11	CARBON	4.7K	5%	1/4W F
R365	1-249-417-11	CARBON	1K	5%	1/4W F
R366	1-249-417-11	CARBON	1K	5%	1/4W F
R401	1-249-411-11	CARBON	330	5%	1/4W
R402	1-249-425-11	CARBON	4.7K	5%	1/4W F
R403	1-249-417-11	CARBON	1K	5%	1/4W F
R404	1-249-417-11	CARBON	1K	5%	1/4W F
R405	1-249-417-11	CARBON	1K	5%	1/4W F
R406	1-249-417-11	CARBON	1K	5%	1/4W F
R407	1-249-417-11	CARBON	1K	5%	1/4W F
R408	1-249-429-11	CARBON	10K	5%	1/4W
R409	1-249-437-11	CARBON	47K	5%	1/4W
R410	1-247-897-11	CARBON	560K	5%	1/4W
R411	1-249-416-11	CARBON	820	5%	1/4W F
R412	1-247-897-11	CARBON	560K	5%	1/4W
R413	1-249-437-11	CARBON	47K	5%	1/4W
R414	1-249-425-11	CARBON	4.7K	5%	1/4W F
R416	1-249-417-11	CARBON	1K	5%	1/4W F
R417	1-247-897-11	CARBON	560K	5%	1/4W
R420	1-247-887-00	CARBON	220K	5%	1/4W
R421	1-249-417-11	CARBON	1K	5%	1/4W F
R435	1-249-418-11	CARBON	1.2K	5%	1/4W F
R442	1-249-418-11	CARBON	1.2K	5%	1/4W F
R443	1-249-418-11	CARBON	1.2K	5%	1/4W F
R447	1-249-416-11	CARBON	820	5%	1/4W F
R448	1-249-429-11	CARBON	10K	5%	1/4W
R449	1-247-863-91	CARBON	22K	5%	1/4W (AEP, UK, G, EE)
R449	1-249-433-11	CARBON	22K	5%	1/4W (E, AUS, SP)
R451	1-249-411-11	CARBON	330	5%	1/4W
R452	1-249-425-11	CARBON	4.7K	5%	1/4W F
R453	1-249-417-11	CARBON	1K	5%	1/4W F
R454	1-249-417-11	CARBON	1K	5%	1/4W F
R455	1-249-417-11	CARBON	1K	5%	1/4W F
R456	1-249-417-11	CARBON	1K	5%	1/4W F
R457	1-249-417-11	CARBON	1K	5%	1/4W F
R458	1-249-429-11	CARBON	10K	5%	1/4W
R459	1-249-437-11	CARBON	47K	5%	1/4W
R460	1-247-897-11	CARBON	560K	5%	1/4W
R461	1-249-416-11	CARBON	820	5%	1/4W F
R462	1-247-897-11	CARBON	560K	5%	1/4W
R463	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-417-11	CARBON	1K	5%	1/4W F
R467	1-247-897-11	CARBON	560K	5%	1/4W
R470	1-247-887-00	CARBON	220K	5%	1/4W
R471	1-249-417-11	CARBON	1K	5%	1/4W F
R701	1-249-421-11	CARBON	2.2K	5%	1/4W F
R702	1-249-435-11	CARBON	33K	5%	1/4W
R703	1-249-409-11	CARBON	220	5%	1/4W F (AUS)
R703	1-249-411-11	CARBON	330	5%	1/4W (AEP, UK, G, E, EE, SP)
R704	1-249-434-11	CARBON	27K	5%	1/4W
R705	1-249-415-11	CARBON	680	5%	1/4W F
⚠R706	1-249-409-11	CARBON	220	5%	1/4W F
R707	1-249-421-11	CARBON	2.2K	5%	1/4W F
R708	1-247-863-91	CARBON	22K	5%	1/4W (AEP, UK, G, EE)
R708	1-249-433-11	CARBON	22K	5%	1/4W (E, AUS, SP)
⚠R709	1-249-409-11	CARBON	220	5%	1/4W F
R710	1-249-435-11	CARBON	33K	5%	1/4W
R711	1-249-414-11	CARBON	560	5%	1/4W F
R711	1-249-424-11	CARBON	3.9K	5%	1/4W F (E, SP)
R712	1-249-422-11	CARBON	2.7K	5%	1/4W F
⚠R713	1-212-865-00	FUSIBLE	22	5%	1/4W F (AEP, UK, G, SP, EE)
⚠R713	1-249-397-11	CARBON	22	5%	1/4W F (E, AUS)
R715	1-249-414-11	CARBON	560	5%	1/4W F
⚠R716	1-212-865-00	FUSIBLE	22	5%	1/4W F (AEP, UK, G, SP, EE)
⚠R716	1-249-397-11	CARBON	22	5%	1/4W F (E, AUS)
R717	1-249-421-11	CARBON	2.2K	5%	1/4W F
⚠R718	1-249-393-11	CARBON	10	5%	1/4W F
⚠R719	1-249-393-11	CARBON	10	5%	1/4W F
⚠R720	1-233-352-21	ENCAPSULATED COMPONENT			
R721	1-249-437-11	CARBON	47K	5%	1/4W
R722	1-249-425-11	CARBON	4.7K	5%	1/4W F
R723	1-249-431-11	CARBON	15K	5%	1/4W
⚠R724	1-249-393-11	CARBON	10	5%	1/4W F
⚠R725	1-249-389-11	CARBON	4.7	5%	1/4W F
R727	1-249-437-11	CARBON	47K	5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description				Remark
⚠R729	1-249-887-11	CARBON	33	5%	1/4W	F (E, AUS)
⚠R730	1-249-887-11	CARBON	33	5%	1/4W	F (E, AUS)
R731	1-249-429-11	CARBON	10K	5%	1/4W	
R732	1-249-417-11	CARBON	1K	5%	1/4W	F
R733	1-249-435-11	CARBON	33K	5%	1/4W	
R734	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R737	1-249-429-11	CARBON	10K	5%	1/4W	
R738	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R751	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R752	1-249-435-11	CARBON	33K	5%	1/4W	
R753	1-249-409-11	CARBON	220	5%	1/4W	F (AUS)
R753	1-249-411-11	CARBON	330	5%	1/4W	(AEP, UK, G, E, EE, SP)
R754	1-249-434-11	CARBON	27K	5%	1/4W	
R755	1-249-415-11	CARBON	680	5%	1/4W	F
⚠R756	1-249-409-11	CARBON	220	5%	1/4W	F
R757	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R758	1-247-863-91	CARBON	22K	5%	1/4W	(AEP, UK, G, EE)
R758	1-249-433-11	CARBON	22K	5%	1/4W	(E, AUS, SP)
⚠R759	1-249-409-11	CARBON	220	5%	1/4W	F
R760	1-249-435-11	CARBON	33K	5%	1/4W	
R761	1-249-414-11	CARBON	560	5%	1/4W	F
R762	1-249-422-11	CARBON	2.7K	5%	1/4W	F
⚠R763	1-212-865-00	FUSIBLE	22	5%	1/4W	F (AEP, UK, G, SP, EE)
⚠R763	1-249-397-11	CARBON	22	5%	1/4W	F (E, AUS)
R765	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R766	1-212-865-00	FUSIBLE	22	5%	1/4W	F (AEP, UK, G, SP, EE)
⚠R766	1-249-397-11	CARBON	22	5%	1/4W	F (E, AUS)
R767	1-249-421-11	CARBON	2.2K	5%	1/4W	F
⚠R768	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R769	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R770	1-233-352-21	ENCAPSULATED COMPONENT				
R771	1-249-437-11	CARBON	47K	5%	1/4W	
R772	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R773	1-249-431-11	CARBON	15K	5%	1/4W	
⚠R774	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R775	1-249-389-11	CARBON	4.7	5%	1/4W	F
R777	1-249-438-11	CARBON	56K	5%	1/4W	
R788	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R801	1-249-423-11	CARBON	3.3K	5%	1/4W	F
⚠R802	1-249-887-11	CARBON	33	5%	1/4W	F
⚠R805	1-249-455-11	CARBON	4.7	5%	1/4W	F (EXCEPT E, AUS)

Ref. No.	Part No.	Description				Remark
⚠R805	1-216-446-00	METAL OXIDE	18	5%	2W	F (E, AUS)
R806	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R807	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R808	1-249-405-11	CARBON	100	5%	1/4W	F
R950	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R951	1-249-429-11	CARBON	10K	5%	1/4W	
R952	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R953	1-247-863-91	CARBON	22K	5%	1/4W	(AEP, UK, G, EE)
R953	1-249-433-11	CARBON	22K	5%	1/4W	(E, AUS, SP)
R954	1-249-439-11	CARBON	68K	5%	1/4W	
R955	1-249-429-11	CARBON	10K	5%	1/4W	
R956	1-249-423-11	CARBON	3.3K	5%	1/4W	F
R957	1-249-417-11	CARBON	1K	5%	1/4W	F
R960	1-249-429-11	CARBON	10K	5%	1/4W	
RR01	1-249-418-11	CARBON	1.2K	5%	1/4W	F (AEP, UK, G, EE)
RR04	1-249-393-11	CARBON	10	5%	1/4W	F (AEP, UK, G, EE)
RR05	1-249-393-11	CARBON	10	5%	1/4W	F (AEP, UK, G, EE)
RR51	1-249-418-11	CARBON	1.2K	5%	1/4W	F (AEP, UK, G, EE)
RR54	1-249-393-11	CARBON	10	5%	1/4W	F (AEP, UK, G, EE)
RR55	1-249-393-11	CARBON	10	5%	1/4W	F (AEP, UK, G, EE)
		< RELAY >				
RY701	1-515-920-11	RELAY (24V)				
		< TERMINAL >				
TM001	1-537-240-51	TERMINAL BOARD (CHECKER PIN)				(ANTENNA) (E)
TM001	1-537-714-11	TERMINAL BOARD (ANTENNA)				(AEP, UK, G, AUS, EE, SP)
TM701	1-537-376-11	TERMINAL BOARD (SP)				(SPEAKERS)
		< TUNER >				
TU001	1-233-308-11	ENCAPSULATED COMPONENT				(AEP, UK, G, E, AUS, SP)
TU001	1-233-309-11	ENCAPSULATED COMPONENT (EE)				
		< VIBRATOR >				
X1	1-579-900-21	VIBRATOR, CRYSTAL (4.33MHz)				(AEP, UK, G, EE)
*	1-656-007-11	PRIMARY BOARD (AEP, UK, G, AUS, EE, SP)				

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

SP SW | SP SW-A | SP SW-B | STBY | STBY SW | TONE

Ref. No.	Part No.	Description			Remark
*	1-656-000-11	SP SW BOARD			
		**********			
		< JACK >			
J741	1-750-733-11	JACK (LARGE TYPE) (PHONES)			
		< RESISTOR >			
R741	1-247-753-11	CARBON	1.2K	5% 1/2W	(E, AUS, SP)
R741	1-260-100-11	CARBON	1.2K	5% 1/2W	(AEP, UK, G, EE)
R742	1-247-753-11	CARBON	1.2K	5% 1/2W	(E, AUS, SP)
R742	1-260-100-11	CARBON	1.2K	5% 1/2W	(AEP, UK, G, EE)
R791	1-247-753-11	CARBON	1.2K	5% 1/2W	(E, AUS, SP)
R791	1-260-100-11	CARBON	1.2K	5% 1/2W	(AEP, UK, G, EE)
R792	1-247-753-11	CARBON	1.2K	5% 1/2W	(E, AUS, SP)
R792	1-260-100-11	CARBON	1.2K	5% 1/2W	(AEP, UK, G, EE)
		< SWITCH >			
S701	1-762-320-11	SWITCH, PUSH (2 KEY) (SPEAKERS A/B)			
**********					
*	1-656-004-11	SP SW-A BOARD			
		**********			
**********					
*	1-656-005-11	SP SW-B BOARD			
		**********			
		< CONNECTOR >			
CNS702	1-770-482-11	CONNECTOR, BOARD TO BOARD 4P			
**********					
*	1-656-002-11	STBY BOARD			
		**********			
		< CONNECTOR >			
CNJ902	1-540-057-11	OUTLET, AC (POLAR) (E)			
		< CONNECTOR >			
CNP901	1-564-321-00	PIN, CONNECTOR 2P			
CNP902	1-564-321-00	PIN, CONNECTOR 2P (E)			
CNP903	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P			(AEP, G, AUS, EE, SP)
CNP905	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P (E)			
* CNP906	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P (E)			
CNS802	1-770-480-11	SOCKET, CONNECTOR PIN 4P			
		< DIODE >			
D816	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)			
D816	8-719-987-63	DIODE 1N4148M (E, AUS, SP)			
		< FUSE >			
⚠F902	1-532-203-00	FUSE (T2AL 250V) (EXCEPT AUS)			
⚠F902	1-532-259-00	FUSE (T1.6AL 250V) (AUS)			
⚠F903	1-532-259-00	FUSE (T1.6AL 250V) (AEP, G, EE, SP)			
		< CONNECTOR >			
		< FUSE HOLDER >			
FH902	1-533-233-11	HOLDER, FUSE (F902)			
FH903	1-533-233-11	HOLDER, FUSE (F903) (AEP, G, EE, SP)			
FH952	1-533-233-11	HOLDER, FUSE (F902)			
FH953	1-533-233-11	HOLDER, FUSE (F903) (AEP, G, EE, SP)			
		< RELAY >			
⚠RY901	1-515-720-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-450-358-11	TRANSFORMER, POWER			
**********					
	1-656-317-11	STBY SW BOARD (E, AUS)			
		**********			
		< SWITCH >			
S200	1-554-303-21	SWITCH, TACTILE (POWER) (E, AUS)			
**********					
*	1-655-999-11	TONE BOARD			
		**********			
		< CAPACITOR >			
C421	1-137-440-11	FILM	0.018uF	5%	50V
C422	1-124-463-00	ELECT	0.1uF	20%	50V
C423	1-137-368-11	FILM	0.0047uF	5%	50V
C424	1-137-372-11	FILM	0.022uF	5%	50V
C471	1-137-440-11	FILM	0.018uF	5%	50V
C472	1-124-463-00	ELECT	0.1uF	20%	50V
C473	1-137-368-11	FILM	0.0047uF	5%	50V
C474	1-137-372-11	FILM	0.022uF	5%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description				Remark
		< CONNECTOR >				
‡ CNP203	1-569-799-11	PLUG, CONNECTOR 5P				
CNS401	1-770-399-11	HOUSING, CONNECTOR(PC BOARD) 6P				
		< DIODE >				
D207	8-719-313-72	LED	SEL3810A-CD (BASS BOOST)			
D208	8-719-313-72	LED	SEL3810A-CD (MUTING -20dB)			
		< RESISTOR >				
R210	1-249-435-11	CARBON	33K	5%	1/4W	
R421	1-249-430-11	CARBON	12K	5%	1/4W	
R422	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R429	1-249-415-11	CARBON	680	5%	1/4W	F
R437	1-247-903-00	CARBON	1M	5%	1/4W	
R440	1-247-903-00	CARBON	1M	5%	1/4W	
R471	1-249-430-11	CARBON	12K	5%	1/4W	
R472	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R479	1-249-415-11	CARBON	680	5%	1/4W	F
R487	1-247-903-00	CARBON	1M	5%	1/4W	
R490	1-247-903-00	CARBON	1M	5%	1/4W	
		< VARIABLE RESISTOR >				
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)				
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)				
RV423	1-223-880-11	RES, VAR, CARBON 100K/100K (BALANCE)				
		< SWITCH >				
S209	1-554-303-21	SWITCH, TACTILE (MUTING -20dB)				
S210	1-554-303-21	SWITCH, TACTILE (BASS BOOST)				
**********						
*	1-655-998-11	TRANS BOARD				
		**********				
		< CONNECTOR >				
CNP801	1-764-478-11	PIN, CONNECTOR (PC BOARD) 9P				
		< FUSE >				
⚠F801	1-532-237-00	FUSE, TIME LAG (T3.15AL 250V)				
⚠F802	1-532-237-00	FUSE, TIME LAG (T3.15AL 250V)				
		< FUSE HOLDER >				
FH801	1-533-233-11	HOLDER, FUSE (F801)				
FH802	1-533-233-11	HOLDER, FUSE (F802)				
FH851	1-533-233-11	HOLDER, FUSE (F801)				
FH852	1-533-233-11	HOLDER, FUSE (F802)				

Ref. No.	Part No.	Description				Remark
		< TRANSFORMER >				
⚠T901	1-427-880-11	TRANSFORMER, POWER (AEP, UK, G, EE, SP)				
⚠T901	1-427-881-11	TRANSFORMER, POWER (AUS)				
⚠T901	1-427-905-11	TRANSFORMER, POWER (E)				
**********						
*	1-656-001-11	V-SELECT BOARD (E)				
		**********				
		< CONNECTOR >				
‡ CNP907	1-565-395-11	PIN, CONNECTOR 3P (E)				
CNP908	1-564-321-00	PIN, CONNECTOR 2P (E)				
‡ CNP910	1-564-687-11	PIN, CONNECTOR 3P (E)				
		< FUSE >				
⚠F904	1-532-203-00	FUSE (T2AL 250V) (E)				
		< FUSE HOLDER >				
FH904	1-533-217-31	HOLDER, FUSE (F904) (E)				
FH954	1-533-217-31	HOLDER, FUSE (F904) (E)				
		< SWITCH >				
⚠S901	1-571-437-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (E)				
**********						
*	A-4377-522-A	VOL BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C420	1-162-207-31	CERAMIC	22PF	5%	50V	
C425	1-126-096-11	ELECT	10uF	20%	35V	
C426	1-126-096-11	ELECT	10uF	20%	35V	
C427	1-124-252-00	ELECT	0.33uF	20%	50V	
C428	1-130-489-00	MYLAR	0.033uF	5%	50V	
C429	1-164-070-11	CERAMIC	100PF	5%	50V	
C430	1-126-301-11	ELECT	1uF	20%	50V	
C431	1-126-301-11	ELECT	1uF	20%	50V	
C432	1-126-096-11	ELECT	10uF	20%	35V	
C433	1-126-096-11	ELECT	10uF	20%	35V	
C470	1-162-207-31	CERAMIC	22PF	5%	50V	
C475	1-126-096-11	ELECT	10uF	20%	35V	
C476	1-126-096-11	ELECT	10uF	20%	35V	
C477	1-124-252-00	ELECT	0.33uF	20%	50V	
C478	1-130-489-00	MYLAR	0.033uF	5%	50V	
C479	1-164-070-11	CERAMIC	100PF	5%	50V	
C492	1-124-464-11	ELECT	0.22uF	20%	50V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

VOL VOL-MAIN

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CNP202	1-770-391-11	PIN, CONNECTOR (PC BOARD) 7P	
CNP401	1-770-390-11	PIN, CONNECTOR (PC BOARD) 6P	
CNP403	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P	
		< DIODE >	
D421	8-719-815-85	DIODE 1S1585 (AEP, UK, G, EE)	
D421	8-719-987-63	DIODE 1N4148M (E, AUS, SP)	
		< IC >	
IC404	8-759-636-74	IC M5218AP-22	
		< TRANSISTOR >	
Q401	8-729-202-67	TRANSISTOR 2SK246-GR3	
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK (E, AUS, SP)	
Q402	8-729-922-37	TRANSISTOR 2SD2144S-UVW (AEP, UK, G, EE)	
Q403	8-729-141-30	TRANSISTOR 2SC3623A-LK (E, AUS, SP)	
Q403	8-729-922-37	TRANSISTOR 2SD2144S-UVW (AEP, UK, G, EE)	
Q451	8-729-202-67	TRANSISTOR 2SK246-GR3	
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK (E, AUS, SP)	
Q452	8-729-922-37	TRANSISTOR 2SD2144S-UVW (AEP, UK, G, EE)	
Q453	8-729-141-30	TRANSISTOR 2SC3623A-LK (E, AUS, SP)	
Q453	8-729-922-37	TRANSISTOR 2SD2144S-UVW (AEP, UK, G, EE)	
		< RESISTOR >	
R425	1-249-428-11	CARBON 8.2K 5% 1/4W F	
R426	1-249-438-11	CARBON 56K 5% 1/4W	
R427	1-249-417-11	CARBON 1K 5% 1/4W F	
R428	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R430	1-249-437-11	CARBON 47K 5% 1/4W	
R431	1-249-423-11	CARBON 3.3K 5% 1/4W F	
R432	1-247-883-00	CARBON 150K 5% 1/4W	
R433	1-249-427-11	CARBON 6.8K 5% 1/4W F	
R434	1-249-412-11	CARBON 390 5% 1/4W F	
R436	1-249-441-11	CARBON 100K 5% 1/4W	
R438	1-249-441-11	CARBON 100K 5% 1/4W	
R441	1-249-441-11	CARBON 100K 5% 1/4W	
R444	1-247-903-00	CARBON 1M 5% 1/4W	
R446	1-247-807-31	CARBON 100 5% 1/4W	
R464	1-247-903-00	CARBON 1M 5% 1/4W	
R469	1-247-903-00	CARBON 1M 5% 1/4W	
R475	1-249-428-11	CARBON 8.2K 5% 1/4W F	
R476	1-249-438-11	CARBON 56K 5% 1/4W	
R477	1-249-417-11	CARBON 1K 5% 1/4W F	
R478	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R480	1-249-437-11	CARBON 47K 5% 1/4W	
R481	1-249-423-11	CARBON 3.3K 5% 1/4W F	
R482	1-247-883-00	CARBON 150K 5% 1/4W	
R483	1-249-427-11	CARBON 6.8K 5% 1/4W F	
R484	1-249-412-11	CARBON 390 5% 1/4W F	
R491	1-249-441-11	CARBON 100K 5% 1/4W	
R492	1-247-903-00	CARBON 1M 5% 1/4W	
R494	1-247-903-00	CARBON 1M 5% 1/4W	
R496	1-247-807-31	CARBON 100 5% 1/4W	
		< VARIABLE RESISTOR >	
RV404	1-223-882-11	RES, VAR 100K/100K (VOLUME)	
**********			
*	1-655-997-11	VOL-MAIN BOARD	
		**********	
		< CONNECTOR >	
CNS403	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P	
CNS404	1-750-383-21	CONNECTOR, BOARD TO BOARD 11P	
**********			
		MISCELLANEOUS	
		**********	
6	1-773-742-11	WIRE (FLAT TYPE) (23 CORE) (E, AUS, SP)	
6	1-773-744-11	WIRE (FLAT TYPE) (23 CORE) (AEP, UK, G, EE)	
⚠67	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
⚠CNJ903	1-251-078-11	OUTLET, AC. (AUS)	
⚠CNJ903	1-526-794-11	OUTLET, AC (AEP, G, EE, SP)	
⚠CNP904	1-575-653-11	CORD, POWER (E)	
⚠CNP904	1-696-847-11	CORD, POWER (AUS)	
⚠CNP904	1-751-520-11	CORD, POWER (UK)	
⚠CNP904	1-769-744-11	CORD, POWER (AEP, G, EE, SP)	
⚠F801	1-532-237-00	FUSE, TIME LAG (T3.15AL 250V)	
⚠F802	1-532-237-00	FUSE, TIME LAG (T3.15AL 250V)	
⚠F902	1-532-203-00	FUSE (T2AL 250V) (EXCEPT AUS)	
⚠F902	1-532-259-00	FUSE (T1.6AL 250V) (AUS)	
⚠F903	1-532-259-00	FUSE (T1.6AL 250V) (AEP, G, EE, SP)	
⚠F904	1-532-203-00	FUSE (T2AL 250V) (E)	
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT	
Q708	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q709	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q758	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q759	8-749-010-26	TRANSISTOR MP1620-OPY-M	
RV404	1-223-882-11	RES, VAR 100K/100K (MASTER VOLUME)	
S902	1-572-267-21	SWITCH PUSH (AC POWER) 1 KEY	(AEP, UK, G, EE, SP)
⚠T901	1-427-880-11	TRANSFORMER, POWER (AEP, UK, G, EE, SP)	
⚠T901	1-427-881-11	TRANSFORMER, POWER (AUS)	
⚠T901	1-427-905-11	TRANSFORMER, POWER (E)	
**********			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-473-072-11	COMMANDER, STANDARD (RM-U253)	
	1-501-374-11	ANTENNA, LOOP	
	1-501-594-11	ANTENNA (FM) (AEP, UK, G, AUS, EE, SP, MY, HK)	
	3-798-811-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH) (AEP)	
	3-798-811-41	MANUAL, INSTRUCTION (SPANISH, SWEDISH, PORTUGUESE, DUTCH, ITALIAN) (AEP)	
	3-798-811-51	MANUAL, INSTRUCTION (GERMAN) (G)	
	3-798-811-61	MANUAL, INSTRUCTION (ENGLISH) (UK)	
	3-798-811-71	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (E, SP, MY, HK)	
	3-798-811-81	MANUAL, INSTRUCTION (ENGLISH) (AUS)	
	3-798-811-91	MANUAL, INSTRUCTION (ENGLISH, RUSSIAN, POLISH) (EE)	
	4-941-762-01	COVER (MLY), BATTERY (for RM-U253)	
*	4-952-676-01	CUSHION	
*	4-974-622-01	INDIVIDUAL CARTON (E, AUS)	
*	4-974-623-01	INDIVIDUAL CARTON (AEP, UK, G, EE)	
*	4-978-297-01	INDIVIDUAL CARTON (SP)	

****

****
HARDWARE LIST
****

#1	7-682-548-04	SCREW +BVTT 3X8 (S)
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
#3	7-621-849-00	SCREW, TAPPING
#4	7-682-560-04	SCREW +BVTT 4X6 (S)

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Quality Engineering Dept.

Sony Corporation
Consumer A&V Products Company
Home A&V Products Div.

9-960-129-31

STR-D365

SONY
SERVICE MANUAL

AEP Model
UK Model
E Model
Australian Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject : 1. CORRECTION
2. BOARD CHANGED

(ECN-TA503934)

1. CORRECTION

As there are some mistakes in the previous service manual, please correct the followings.

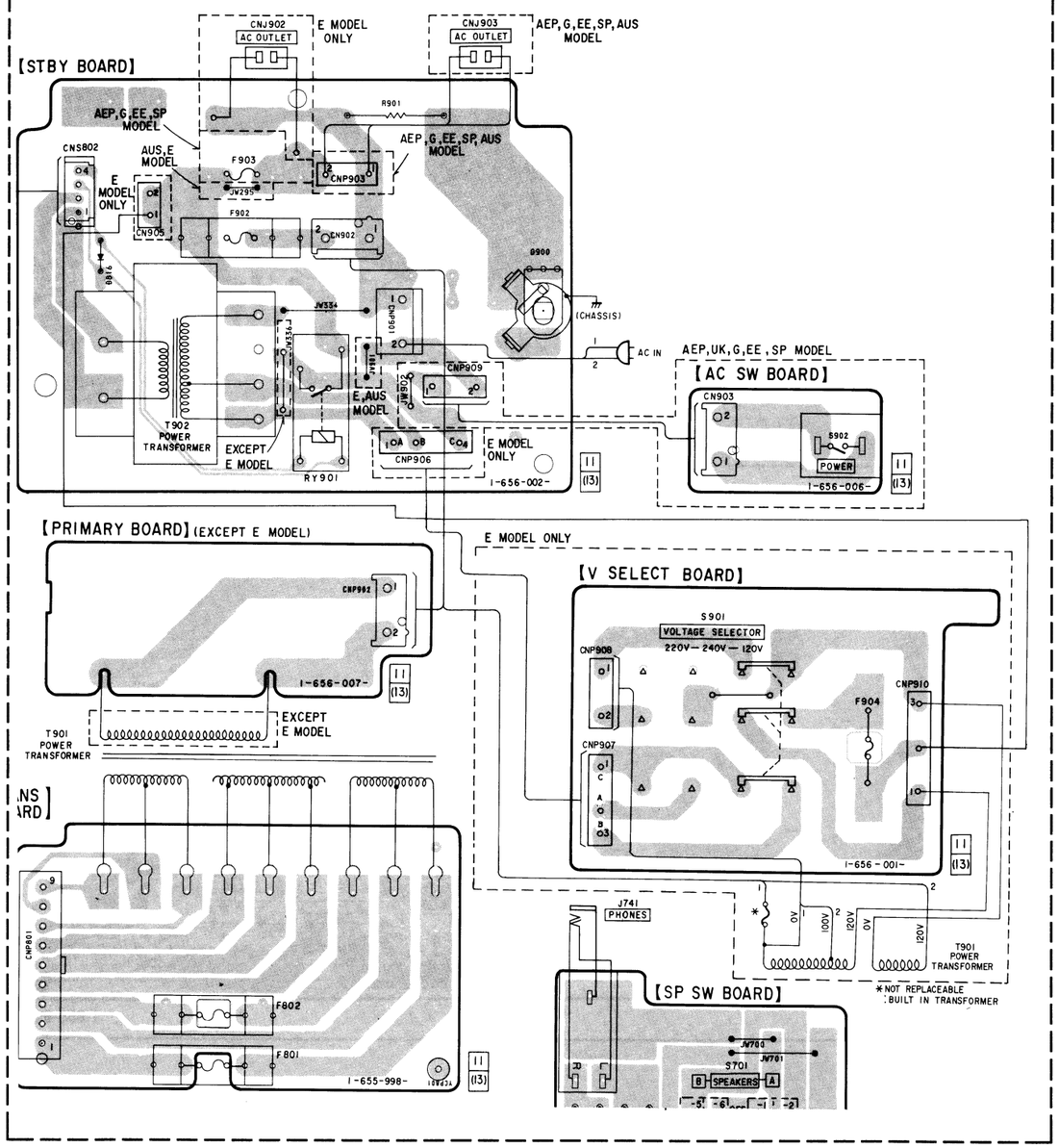
PARTS LIST

Page	INCORRECT						CORRECT					
	Ref. No	Part No	Description			Remark	Ref. No	Part No	Description			Remark
30	C299	1-161-494-00	CERAMIC	0.22uF	30%	25V	C299	1-161-494-00	CERAMIC	0.22uF	30%	25V (AEP, UK, G, EE)
39	*	4-978-297-01	INDIVIDUAL CARTON (SP)				*	4-978-983-01	INDIVIDUAL CARTON (SP)			

: Indicates corrected portion

PRINTED WIRING BOARD

— MAIN SECTION — (See page 11, 12) Location : E-22



9-960-129-82

Sony Corporation
Consumer A&V Products Company
Home A&V Products Div.

English
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Printed in Japan

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Quality Engineering Dept.

: Ind

SCHEMA

Page
16

365

P Model
K Model
E Model
n Model

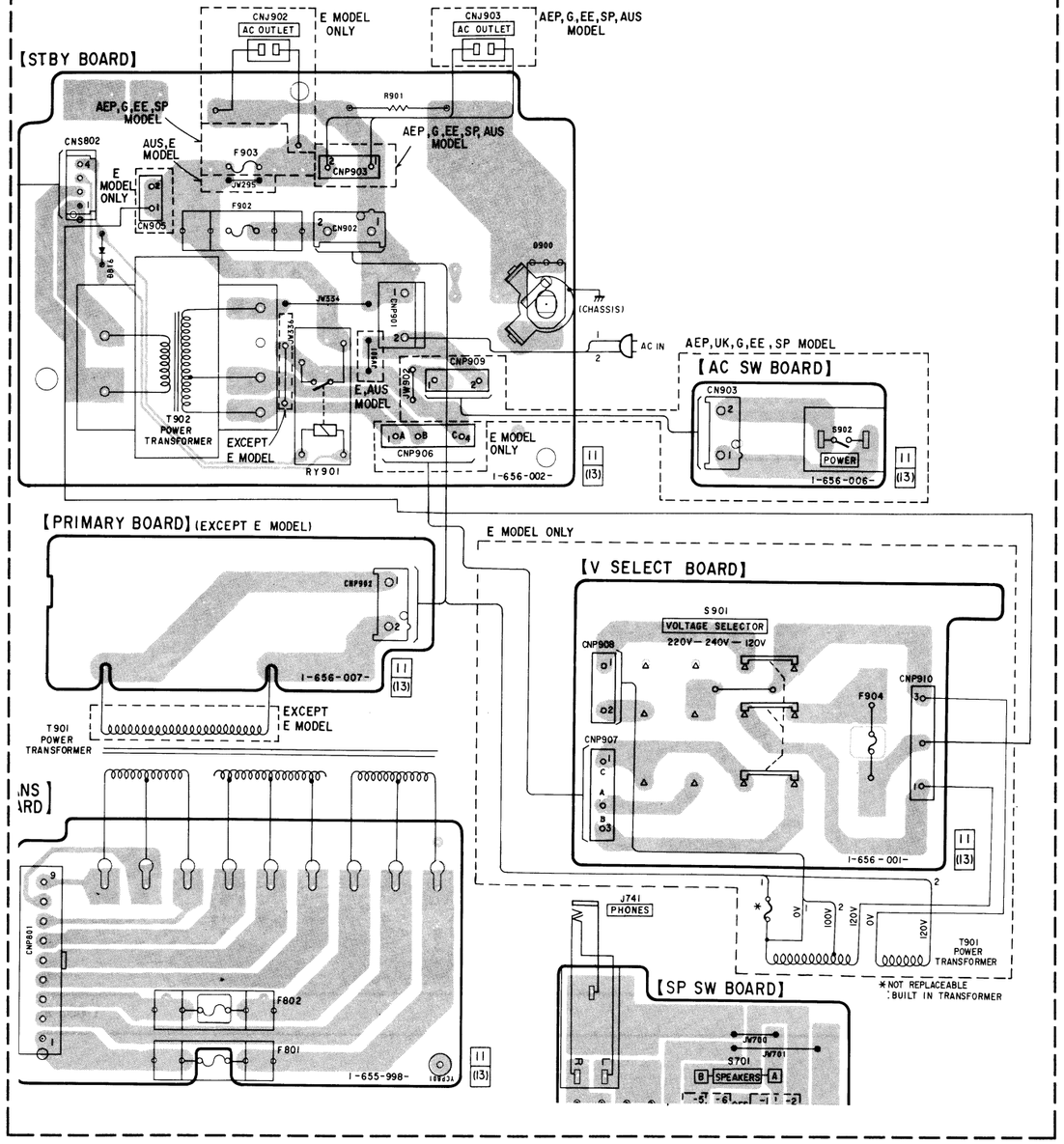
Remark
30% 25V
EP, UK, G, EE)

English
95L0976-1
Printed in Japan
© 1995. 12
&V Products Div.
Engineering Dept.

☛ : Indicates corrected portion

PRINTED WIRING BOARD

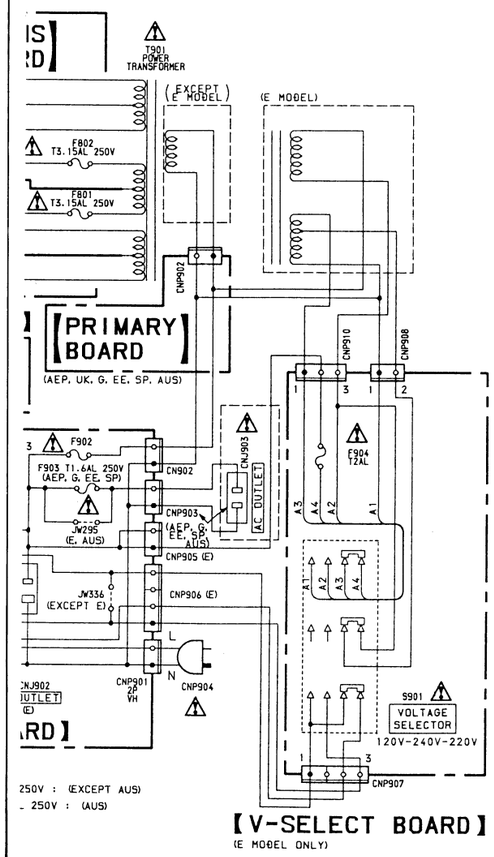
— MAIN SECTION — (See page 11, 12) Location : E-22

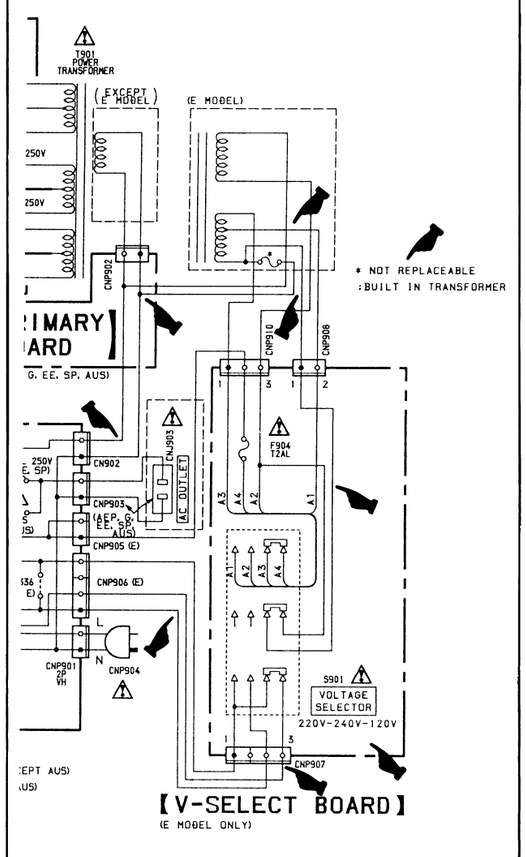


☛ : Indicates corrected portion

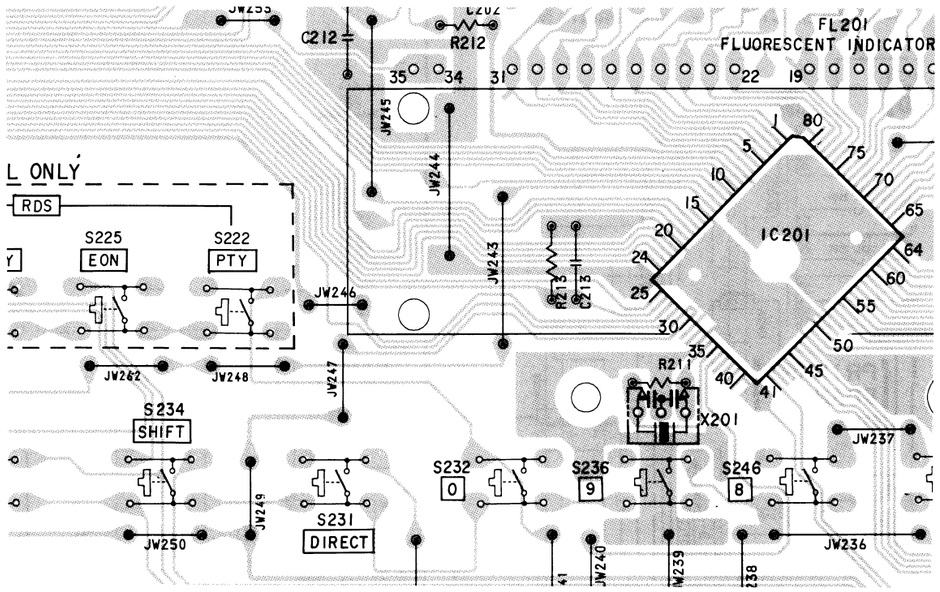
SCHEMATIC DIAGRAM

Page	INCORRECT	CORRECT
16	**— MAIN SECTION — Location : M-25**	

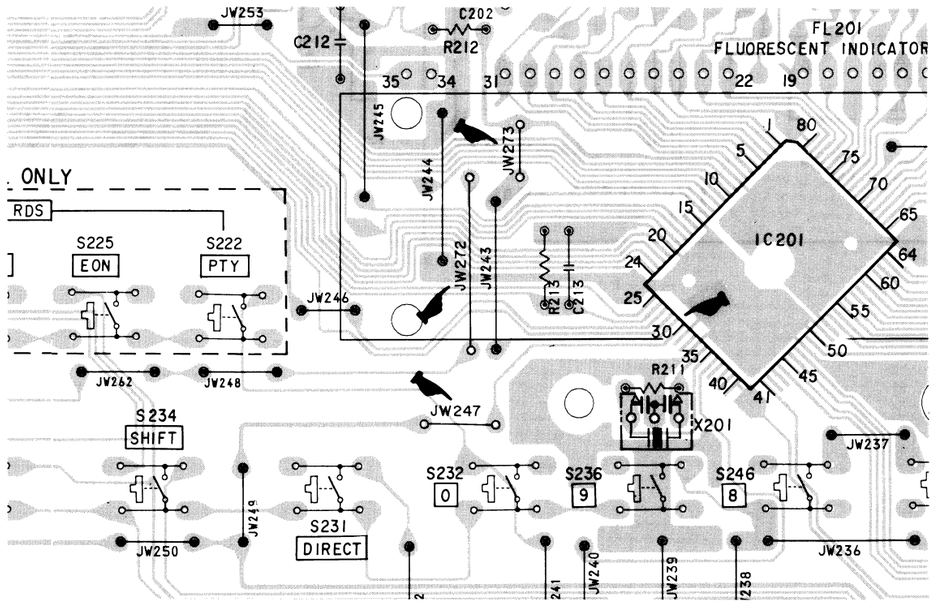




Page	INCORRECT
19	【DISPLAY BOARD】 Location : C-9



CORRECT

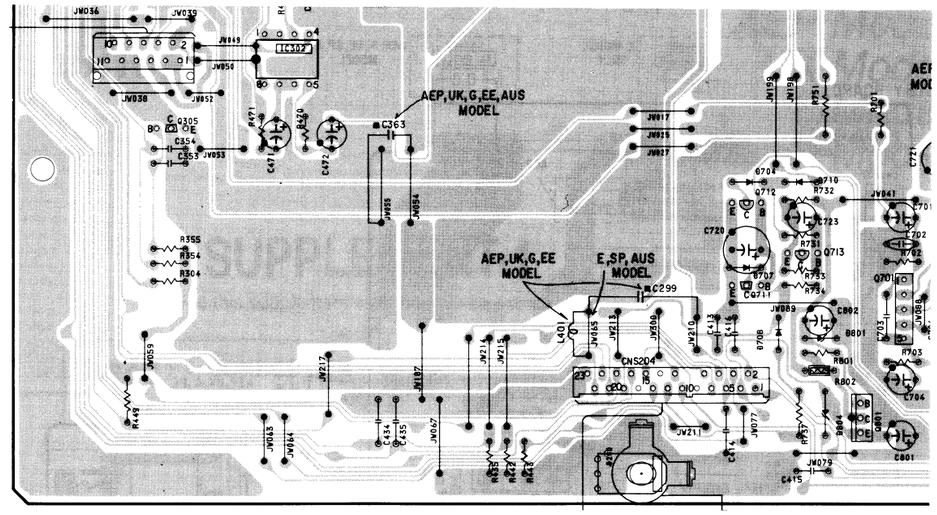


2. BOARD CHANGED

☛ : Indicates changed portion

PRINTED WIRING BOARD

Page	FORMER
10	【MAIN BOARD】 Location : I-8



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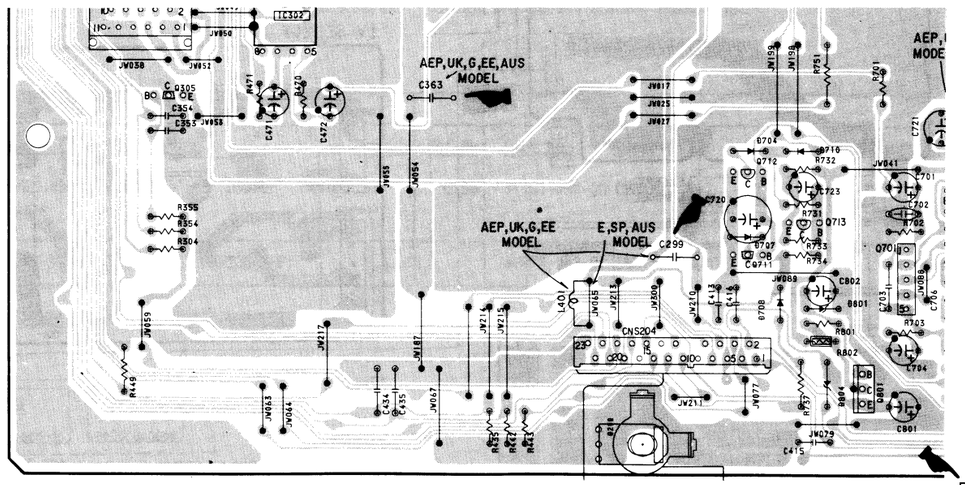
NEW



1-655-996-14

PARTS LIST

Page	FORMER				NEW			
	Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
30			** MAIN BOARD **				** MAIN BOARD **	
	C414	1-161-494-00	CERAMIC 0.022uF	25V				